Manual Part # 99903676

Dominator 2 Parts & Specifications

Manual Effective April 15, 2005

Revised 20110121

IOWA MOLD TOOLING CO., INC.
PO Box 189
Garner, IA 50438
Tel: 641-923-3711 FAX: 641-923-2424
Website: http://www.imt.com

Copyright © 2011 Iowa Mold Tooling Co., Inc.
All rights reserved

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written permission of Iowa Mold Tooling Co., Inc.

Iowa Mold Tooling Co., Inc. is an Oshkosh Corporation Company.

Printed on 21 January, 2011

Contents

Revisions iv

Parts Ordering Information **7**

Specifications **9**

Dominator Chassis Specifications 11

Assemblies & Installation **13**

Body Installation (99903796) 14
Body Assembly (99903654) 16
Body Installation (99903656) (Repl. by 99903796) 18
Body Components 21
Door Assembly (99903767) 23
PTO Wiring Installation-2006 & 2007 (99904085) 25
PTO Wiring Installation Through 2005 (99903409) 30
PTO/Pump Rotation Guide (99904279) 35
Crane Installation Hole Pattern (99903339) 36
Hydraulic Installation (99904562) (Eff. 12-15-08) 37
Hydraulic Reservoir (51721745) (Eff. 12-15-08) 41
Hydraulic Installation (99903766) (Thru 12-15-08) 42
Hydraulic Reservoir (51719773) (Thru 12-15-08) 48
Reference, Hyd. Reservoir Plumbing (99903766) (Thru 2006) 49
Installation Kit, Compartment Pressure Fan Option (99903801) 51
Compressor Mounting Locations (99903712) 52
Weather-Strip Installation (99904256) 54
Battery Cover Installation (99904452) 55
Electric Crane Installation (2003i, 3203i, 4004i, 5005i, 6006i) (99904394) 56
Electrical Installation (1015E & 2020E) (99903519) 61

Compartment Options **63**

Compartment Layout (99903658) 63
Parts List, Shelves (99903658) 64
Installation Drawing, Shelves (99903658) 65
Installation Drawing, Door Trays (99903667) 66
Parts List, Drawer Units and Kits 67
Dominator I & II Drawer Set Reference Drawing 69
Drawer Components 71
Compartment Options 72
Tool Box Tray (51711548) 73
Tank Bracket, 2-Bottle (51719752) 74
Tank Bracket, 3-Bottle (51720021) 75
Pull-Out Bin Sets 76

Tailgate & Bumper Options 79

Tailgate Assembly (51718801) 80
Bumper Hitch & Workbench Options 82

Air System Options 83

Air Tank Options 83
Air Tank Kit, 22.5 Gallon (51706697) 84
Air Tank Kit, 15 Gal (51707363) 85
Air Tank Kit, Dual 15 Gal (51709693) 87
Air Tank Kit, 35 Gallon (51708336) 89
Air Tank Kit, 58 Gallon (51708369) 91
Stepless Ear Clamp Installation (99904411) 93
Moisture Separator / Regulator / Oiler Assembly (51714805) 94
Moisture Separator / Regulator / Oiler Parts (51714805) 95
Moisture Separator / Regulator / Oiler Installation 96
Hose Reel (51713651) 97

Telescoping Tops 99

Telescopic Top Installation (99903675) 99

Boom Supports 103

Boom Support (99903633) 104
Boom Support, Adjustable, 1015 & 2020 (51718847) 105
Boom Support, Adjustable, 3820-5020-5525-6025 (51718848) 106

Outriggers 109

Front Outriggers (51718827 / 99903671) 110
Rear Outriggers, Manual Out / Manual Down (31718953 / 99904047) 111
Rear Outriggers, Manual Out/Power Down (31718954/99904261) 113
Rear Outriggers, Power Out/Power Down (31719661/99904262) 115
Outrigger Hydraulic Installation (99904403) 117
Cylinder, Power Out (3B142860) (Effective 2-07, prior to 8-05) 119
Cylinder, Power Out (71411797) (Used 9-05 to 1-07) 120
Outrigger Assembly (51718746) 122
Outrigger Assembly, Stationary Mount (51718747) 123
Cylinder (51718751) (Thru. 9-05, Eff. 2/07) 124
Cylinder (71411796) (Eff. 10-05 through 1/07) 126
Valvebank, Power Out/Power Down (73734229) (Eff. 6-15-07) 127
Valvebank, Power Out/Power Down (73733953) (Through 6-15-07) 129
Valvebank, Manual Out/Power Down (73734228) (Eff. 6-15-07) 131
Valvebank, Manual Out/Power Down (73733958) (Through 6-15-07) 133
Outrigger Override Installation & Operation (99904272) 135

Electrical Options & Installation 137

Electrical Installation (99904088) (Eff. 9-5-06) 138

Electrical Installation (99903763) (Eff. 4-20-06 thru 9-5-06) 141
Electrical Installation (99903672) (Through 4-20-06) 144
Electrical Panel (99903680) 147
Chassis Electrical Installation (99904034) (Eff. 9-1-06) 149
Power Panel (Dom 1-2) (77441129) 152
Fuse Block, EFM, & Relay Bracket Installation (99903681) (Thru 9-1-06) 153
Crane Installation Comparison 156
Light Installation (99903687) 157
By-Pass Procedure for Reverse Activated Floodlights 158
Electrical Outlet (51711674) 158
Light Reel Kits 159

Miscellaneous Options 161

Salvage / Plumbing Installation Kit (99903803) 162
Salvage Tank Installation, Welder in Load Bed (99903807) 164
Salvage Pump Assembly (51721592) (Eff. 6-08) 165
Antifreeze/Salvage/Water Pump (70734343) (Eff. 6-2008) 166
Salvage Pump Assembly (51712836/Dwg. 99903743) (Thru 5-08) 168
Headache Rack Parts & Installation (99903657) 169
Master Lock System Drawing (99903665) 171
Master Lock Kits 174
Fuel Fill, Chevy/GMC (99903710) 175

Welder Platforms 177

Welder Deck, 24" Long with 2 Underbody Toolboxes (51720055) 177
Welder Deck, 35" Long with 2 Underbody Toolboxes (51720057) 178
Welder Deck, 36" Long with Flat Deck (51720059) 179
Welder Deck, 24" Long with Tall Compartment (51719952) 180
Welder Deck, 35" Long with Curbside Tall Compartment (51720061) 181
Welder Deck, 35" Long with Streetside Tall Compartment (51720063) 182

Dominator Decal Examples & Placement 183

Decal List 184
Dominator and Crane Logo Placement 185
Body Safety Decal Placement 186
Dominator Control Decal Placement 187
Crane Safety Decal Placement on Dominator Door 188
Hydraulic Oil Decal Placement 189
Fuel Tank Decal Placement 190
Air Tank Decal Placement 191
Outrigger Decal Placement 192
Reflector & Hitch Decal Placement 193
Compressor Decal Placement 195

Thread Torque Chart (English) 196

Thread Torque Chart (Metric) 197

Revisions

DATE	LOCATION	DESCRIPTION
20050428	VARIOUS	ECN 9754, 9760 - BOM AUDIT AND CHANGES TO 99903651, 99903654, 99903665, 99903672, 99903678
20050529	99903409	ECN 9673 - ADDED RELAY FOR E-BRAKE
	99903681	ECN 9778 - ADDED DIODE TO PTO LIGHT GROUND, CHANGED BOM QUANTITIES AND ADDED ITEMS 44-53
		ADDED DECAL PLACEMENT PHOTOS.
20050620	99903339	ADDED NEW DOM SII HOLE INDEX PATTERN
20050711	99903665	ECN 9835 - CHANGE IN HARDWARE, ADDED 99903712 MOUNTING LOCATIONS, EDITED 99903678 INSTALLATION DRAWING
20050722	99903651, 99903671, 99903678	ECNs 9756, 9760, 9810 - CHANGES TO OUTRIGGER HARDWARE, ADDITIONAL NOTES ON OUTRIGGER DRAWINGS.
20050831	99903670	ECN 9901 - CHANGE TO HOSE LENGTHS ON 60350115, 60350117
		ECN 9878 - ADDED KITS FOR MASTER LOCK COMPONENTS
20050907	99903712	ECN 9907 - ADDED NOTE ABOUT 10" MINIMUM BETWEEN COOLER AND COMPRESSOR.
20050926	99903681	ECN 9917 - ADDED WIRING FOR AUTO. TRANSMISSION
	99903675	ECN 9876 - NEW OPTION - TELESCOPING TOP
	BODY COMPONENTS	ECN 9922 - HARDWARE KIT PART NUMBER 51719745 WAS 51716366.
20051007	OUTRIGGERS	ECN 9805 - CYLINDER CHANGE. CYLINDER 71411797 REPLACED 3B142860; CYLINDER 71411796 REPLACED 51718751. OUTRIGGER ASSEMBLIES 51718746, 51718747 UPDATED WITH NEW CYLINDERS. ECN 9935 - CHANGED HOSE ROUTING, FITTINGS.
20051020	99903710	ECN 9788 - ADDED FUEL FILL, GMC/CHEVY (99903710) TO MISCELLANEOUS SECTION
20051122	99903670, 99903656	ECN 9959 - VERTICAL HYD TANK. ADDED 51719773 TANK ASSEMBLY, 99903766 INSTALL DWG, 99903796 BODY INSTALL DWG.
	9993658	ECN 9977 - ADDED 9' OPTION
	51718848, 99903654, 99903657, 51718801	ECN 9943 - REVERT TO ZINC HARDWARE
	99903651	ECN 9971 - CHANGED O/R HOSE ROUTING, ADDED FITTING
20060105	99903767	ADDED DOOR ASSEMBLY DRAWING 99903767
	99903651	ECN 10016 - HARDWARE KIT CHANGE ON OUTRIGGER ASM
	99903803	ECN 10017 - ADDED WELDMENTS, 99903807 INSTALLATION DRAWING FOR UNITS WITH WELDER IN LOAD BED.
	99903766	ECN 10024 - ADDED NOTE REGARDING FILTERS, HARDWARE FOR SHIPOUT BODIES.
	99903339	ECN 9979 - CRANE INSTALLATION DRAWING CHANGE.
20060214	99903796	ECN 10039 - REMOVED MID-MOUNT REQUIREMENT; ECN 10027 - UPDATE TO WASHER HARDWARE
	99903796	ECN 9939 - CHANGE DRAKE TO NYLOC NUTS ON INSTALLATION KIT
	51719752, 52710021	ECN 10041, 10042 - REPL 51713311 WITH 51719752; REPL 51709717 WITH 51720021
	99903658	ECN 10030 - CHANGED SHELF INSTALLATION PARTS, ECN 10065

	99903651, 99903667	ECN 10065 - IMPROVED ASSEMBLY
20060307	99903658	ECN 10072 - REMOVED SHIMS; 99903083 (ECN 9000) - ADDED HOLE LOCATION FOR FLOOR WITHOUT WELDER CUTOUT
20060329	99903675	ECN 10079 - ADDED HINGES TO TELE TOP DRAWING
	51720168	ECN 10081 - LENGTHENED THREADED ROD ON RESERVOIR
	51706697, 51718848	ECN 10068 - HARDWARE CHANGE ON 51706697; NEW CAP SCREW ON 51718848
20060417	KEY CYLINDER	ECN 9899 – ADDED KEY CYLINDER REPLACEMENT INFORMATION TO BODY ASSEMBLY INFORMATION
20060523	99903651	ECN 10128 - WASHER CHANGE
	99903673, 99903654, 99903667, 99903681, 99903687, 99903796	ECN 10099 - ADDED DOM 4 PARTS TO LIST
20060628	51718746, 51718747	ADDED PORT TUBE OPTION 71412573 TO OUTRIGGER ASSEMBLIES.
20060712	51718848	ECN 10156 - CHANGE TO HARDWARE KIT
20060908	51718746, 51718747	CYLINDER CHANGE
	99904034	ECN 10160 - ADDED NEW ELEC INSTALLATION DWG
	99903658	ECN 10227 - CHANGED DIVIDER IN 99903658, ECN 10237 - STANDARDIZED MOUNTING HOLE LOCATIONS
	51713240	ADDED 51713240-HORIZONTAL TRAY ASSEMBLY DRAWING - TO COMPARTMENT SECTION
	99903675	ECN 10207 - UPDATE TELE TOP HARDWARE
	51719658, 51718847, 51718848	ECN 10244 - CHANGED HARDWARE ON OUTRIGGER & BOOM SUPPORT KITS
20060922	99904034, 99904088	ECN 10254 - ADDED TERMINAL & SEAL TO PARTS LIST; ECN 10198 - NEW ELEC INSTALLATION 99904088
20061017	Compartment Options	Added drawer set and individual drawer drawings. (70733765, 70733780, 70733777, 70733779, 70733772 sets; 13", 26", 39" wide drawer components.)
20061024	51720648	ECN 10268 - Added 51720648 information to reservoir drawing. (Not exported)
20061108	99904088	ECN 10290 - Changed light from 77040493 to 77040432.
	99903657	ECN 10319 - Changed bolts in 99903657 from 72060026 to 72060025.
	51720021	Update BOM.
	99904085	ECN 10309 - Added 2006& 2007 chassis wiring - 99904085.
20070111	70733798	Corrected incorrect part number.
	99904034	Added notes to drawing.
	99903712	ECN 10334 – Added CAS2545 compressor to 99903712 installation.
20070306	WELDER DECKS	NEW DRAWINGS 51720055, 51720057, 51720059, 51719952, 51720061, 51720063
20070313	51718746, 51718747, 99903651	ECN 10380 - Cylinder replacement.
20070525	ROLLOUT DRAWERS	ECN 10353 - Added parts drawings for all rollout drawers.
20070625	99904261-2	ECN 10397, 10512 - New outrigger valves. New drawings 99904261, 99904262.
	99904256	ECN 10388 - New weatherstrip installation drawing. Notes on 99903654 changed to reflect new weatherstrip.
20070719	99904272	ECN 10528 - NEW O/R OVERRIDE.

20070813	13”, 26”, 39” Drawer components	Updated drawings with purchased part numbers only.
20071004	99903766, 99903974, Pull-Out Bin Sets	ECN 10523 - Clamp 72661642 was 72066516. Added 99904279 pump rotation guide. ECN 10581 - Electrical dome light was 77040384, now 77040509. Corrected cabinet part number on Pull-Out Bin Sets.
	51718751	ECN 10413 - Added #17 locking pin.
20071115	Master lock kits	ECN 10598 - Standardized master lock hardware kits for 9', 11', and 13-14' bodies.
	51710172	Added note to vise mounting bracket.
20071218	99903665	ECN 10637 - Changed master lock installation. Also updated bracket information on 99903687.
20080218	99903658	Corrected part numbers for 56" tall divider panel.
	51714805	Added FLR installation drawing.
	Specifications	Added chassis specifications.
20080318	51712836	Replace salvage/antifreeze pump asm with correct asm 51712836.
20080417	99904001, 51719752	Add part descriptions on door parts list, changed drawing to rev. A on 51719752.
20080616	99904403, 99904411	ECN 10746- Added stepless ear clamp install instructions, added 99904403 hydraulic installation drawing.
20080702	99904088, 51721592	ECN 10793 - Updated #17 in 99904088, added 51721592 salvage pump asm.
20080904	99904452	ECN 10802 - Battery relocation instructions.
	99903675	ECN 10764 - Updates to telescoping top.
20081031	99903766	ECN 10773 - Changed to single inlet hydraulic pumps.
20081215	99904562, 51721745	ECN 10925 - New hydraulic reservoir assembly, installation drawing.
20090116		Added 2006 - 2008 version of hydraulic reservoir installation 99903766. Added replacement lock set information.
20090406	99903519, 99904394	Added electric crane installation drawings.
20090630	99903712	ECN 11062 - Compressor spacing requirements. Added summary drawings to replace individual drawer and drawer set drawings.
20100325	99904261,99904262, Decal list	ECN11102-2 - Changed outrigger manual override decal to 70398872
20100615	99904394	Added dual battery wiring information.
20100830	Decals	ECN 11287 - Updated decal views and added 70398983 welding caution decal.
20101220	99904088	ECN 11315 - Electrical installation update.
20110121	77441129	Added power panel harness drawing.

CHAPTER 1

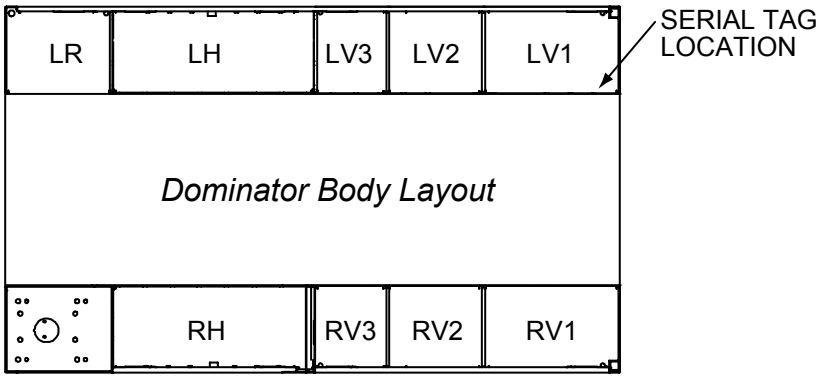
Parts Ordering Information

GENERAL

This remainder of this manual contains the exploded parts drawings and accompanying parts lists for the assemblies used on this body. For equipment such as cranes, compressors, and winches, refer to the appropriate service manual.

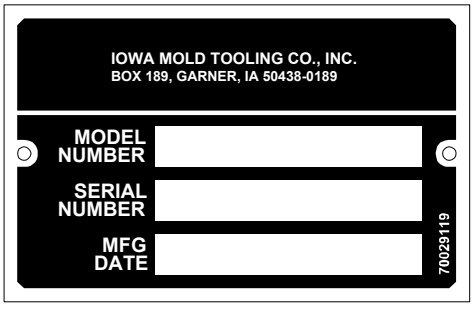
BODY IDENTIFICATION

Every IMT body has an identification placard (see figure). This placard is attached in the upper left hand corner of the left vertical 1 compartment.



When ordering parts, communicating warranty information, or referring to the unit in correspondence, always include the serial number and model numbers. Address all inquiries to your authorized IMT distributor or to:

Iowa Mold Tooling Co., Inc.
Box 189, Garner, IA 50438-0189
Telephone: 641-923-3711
Technical Support Fax: 641-923-2424



PARTS IDENTIFICATION

To insure proper replacement parts are received, specify the complete number/letter sequence for any part requested. The parts sections of this manual can assist you in determining the correct part number.

ORDERING REPAIR PARTS

When ordering replacement parts:

1 Give the model number of the unit.

2 Give the serial number of the unit.

3 Specify the complete part number. When ordering cylinder parts, or one of the main weldments, always give the stamped part number.

4 Give a complete description of the part.

5 Specify the quantity required.

6 Fill in your serial number to assist in future replacement parts ordering.

DOMINATOR SERIAL NUMBER:

CHAPTER 2

Specifications

SPECIFICATIONS	11-foot	13-foot	14-foot
Body Rating	60,000 ft-lb	60,000 ft-lb	60,000 ft-lb
Body Weight	3,650 lb to 3,875 lb (Based on configuration)	4,005 lb	4,180 lb to 4,310 lb (Based on configuration)
Body Width (including rain eaves)	96 in	96 in	96 in
Sidepack Height	52 in	52 in	52 in
Sidepack Depth	22 in	22 in	22 in
Cargo Deck Width	50 in	50 in	50 in
Workbench Depth	24 in	24 in	24 in
Tailgate Height	10 in	10 in	10 in
Storage Capacity (including workbench)	144.5 ft³ to 168.4 ft³ (Based on configuration)	182.3 ft³	200.6 ft³ to 214.2 ft³ (Based on configuration)
Angle of Departure	13°	13°	13°

Door Opening Dimensions - 52" High Sidepacks			
LH 1st Vertical	29.5”W x 46.5”H	29.5”W x 46.5”H	29.5”W x 46.5”H
LH 2nd Vertical	16.5”W x 46.5”H	18.0”W x 46.5”H	29.5”W x 46.5”H
LH 3rd Vertical	N/A	16.5”W x 46.5”H	16.5”W x 46.5”H
LH Horizontal	44.5”W x 21.0”H	44.5”W x 21.0”H	44.5”W x 21.0”H
LH Rear	18.0”W x 46.5”H	18.0”W x 46.5”H	18.0”W x 46.5”H
RH 1st Vertical	29.5”W x 46.5”H	29.5”W x 46.5”H	29.5”W x 46.5”H
RH 2nd Vertical	16.5”W x 46.5”H	18.0”W x 46.5”H	29.5”W x 46.5”H
RH 3rd Vertical	N/A	16.5”W x 46.5”H	16.5”W x 46.5”H
RH Horizontal	44.5”W x 21.0”H	44.5”W x 21.0”H	44.5”W x 21.0”H
RH Rear	18.0”W x 46.5”H	18.0”W x 46.5”H	18.0”W x 46.5”H

Standard Configurations

11-foot body	52" standard left-hand and right-hand sidepacks
	Right front raised* to 60"
	Right front and left front raised* to 60"
	Right front raised* to 60"; All left side compartments raised to 60"
13-foot body	Right front raised* to 60"
14-foot body	Right front and left front raised* to 60"
	Right front raised* to 60"; All left side compartments raised to 60".
* Includes 1st and 2nd vertical compartments.	
NOTE: Crane box is 52" high for all configurations.	

Body Materials

The sidepacks are constructed of 10-gauge and 12-gauge galvannealed steel. The floor structure is constructed of 10-gauge galvannealed and 1/8" deckplate steel. The workbench is constructed of galvannealed and cold rolled steel.

Body Weights

11 ft RH & LH standard	3,650 lb
11 ft RF raised	3,700 lb
11 ft RF & LF raised	3,750 lb
11 ft RF raised / LH all raised	3,825 lb
11 ft RH & LH all raised	3,875 lb
13 ft RF raised	4,005 lb
14 ft RF & LF raised	4,180 lb
14 ft RF raised / LH all raised	4,310 lb

Body Sub-Structure

Patent pending inverted A-frame design constructed of 10-gauge galvannealed material with integral crane box, front outrigger receptacles and rear outrigger housing.

Electrical System

The electrical system consists of a central power distribution point in the crane box using automotive-style harnesses. The circuits use white wire with the circuit function printed every 3". The harness is protected by an overbraid that is heat and cut resistant.

Doors

The doors are constructed of 14-gauge galvannealed steel with internal formed eaves and hemmed edges. The latches are a 3-point, locking rotary T-handle style. They are constructed of cast steel with a powder-coat finish. The hinges are stainless steel with composite washers.

Storage Capacity

11ft RH & LH standard	144.5 ft^3
11 ft RF raised	149.9 ft^3
11 ft RF & LF raised	155.3 ft^3
11 ft RF raised / LH all raised	163.2 ft^3
11 ft RH & LH all raised	168.4 ft^3
13 ft RF raised	182.3 ft^3
14 ft RF & LF raised	200.6 ft^3
14 ft RF raised / LH all raised	214.2 ft^3

Options

1. Drawers and drawer sets	6. Individual incandescent compartment lights
2. Standard adjustable shelves	7. Work lights
3. 3" high divided adjustable shelves	8. Compartment pressurization system
4. Manual and hydraulic outriggers	9. Air systems
5. Workbench vises and vise plates	10. Telescopic cranes up to 60,000 ft-lb

Dominator Chassis Specifications

CHASSIS SPECIFICATIONS		
Minimum Cab-to-Axle Dimensions (Cab-to-Trunnion for tandem axle)		
Dominator I & II without Welder Deck	Single Axle (CA)	Tandem Axle (CT)
9' Body	60"	
11' Body	84"	
13' Body	108"	
14' Body	120"	
Dominator I & II with Welder Deck	Single Axle (CA) (based on width of welder deck selected)	Tandem Axle (CT)
9' Body	84" - 96"	
11' Body	108" - 120"	
13' Body	132" - 144"	
14' Body	144" - 156"	
Dominator IV without Welder Deck	Single Axle (CA)	Tandem Axle (CT)
14' Body	120"	
19' Body		150"
Dominator IV with Welder Deck	Single Axle (CA) (based on width of welder deck selected)	Tandem Axle (CT) (based on width of welder deck selected)
14' Body	144" - 156"	
19' Body		174" - 186"

CHAPTER 3

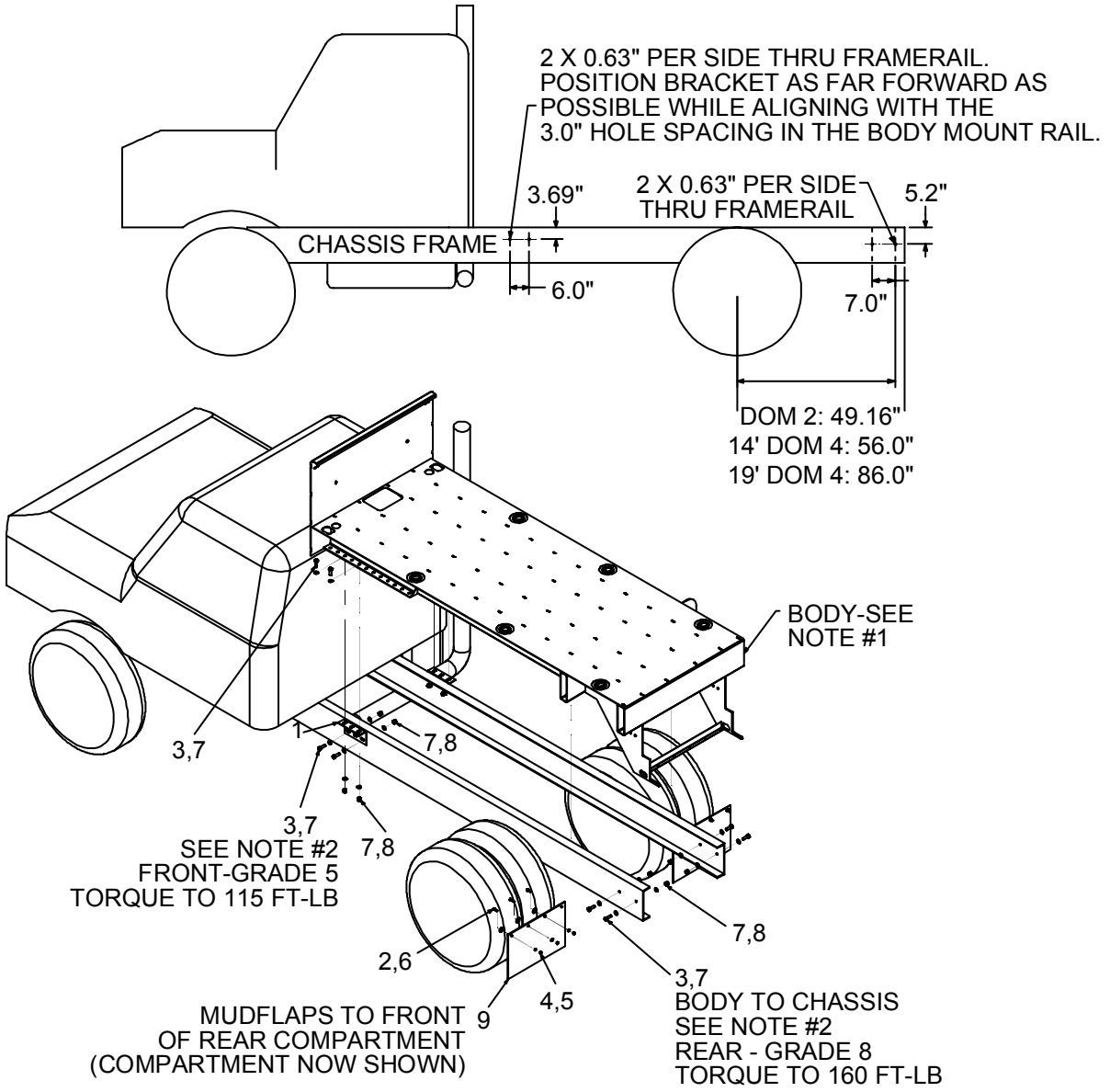
Assemblies & Installation

In This Chapter

Body Installation (99903796)..... 14
Body Assembly (99903654)..... 15
Body Installation (99903656) (Repl. by 99903796)..... 18
Body Components..... 20
Door Assembly (99903767)..... 23
PTO Wiring Installation-2006 & 2007 (99904085)..... 24
PTO Wiring Installation Through 2005 (99903409)..... 30
PTO/Pump Rotation Guide (99904279)..... 35
Crane Installation Hole Pattern (99903339)..... 36
Hydraulic Installation (99904562) (Eff. 12-15-08)..... 37
Hydraulic Reservoir (51721745) (Eff. 12-15-08)..... 41
Hydraulic Installation (99903766) (Thru 12-15-08)..... 42
Hydraulic Reservoir (51719773) (Thru 12-15-08)..... 48
Reference, Hyd. Reservoir Plumbing (99903766) (Thru 2006)..... 49
Installation Kit, Compartment Pressure Fan Option (99903801)..... 51
Compressor Mounting Locations (99903712)..... 52
Weather-Strip Installation (99904256)..... 54
Battery Cover Installation (99904452)..... 55
Electric Crane Installation (2003i, 3203i, 4004i, 5005i, 6006i) (99904394)..... 56
Electrical Installation (1015E & 2020E) (99903519)..... 61

Body Installation (99903796)

NOTE: DRAWING 99903796; KIT 93719876 REPLACED DRAWING 99903656; KIT 93718823 REPLACED EFFECTIVE 12/14/05.



NOTES:

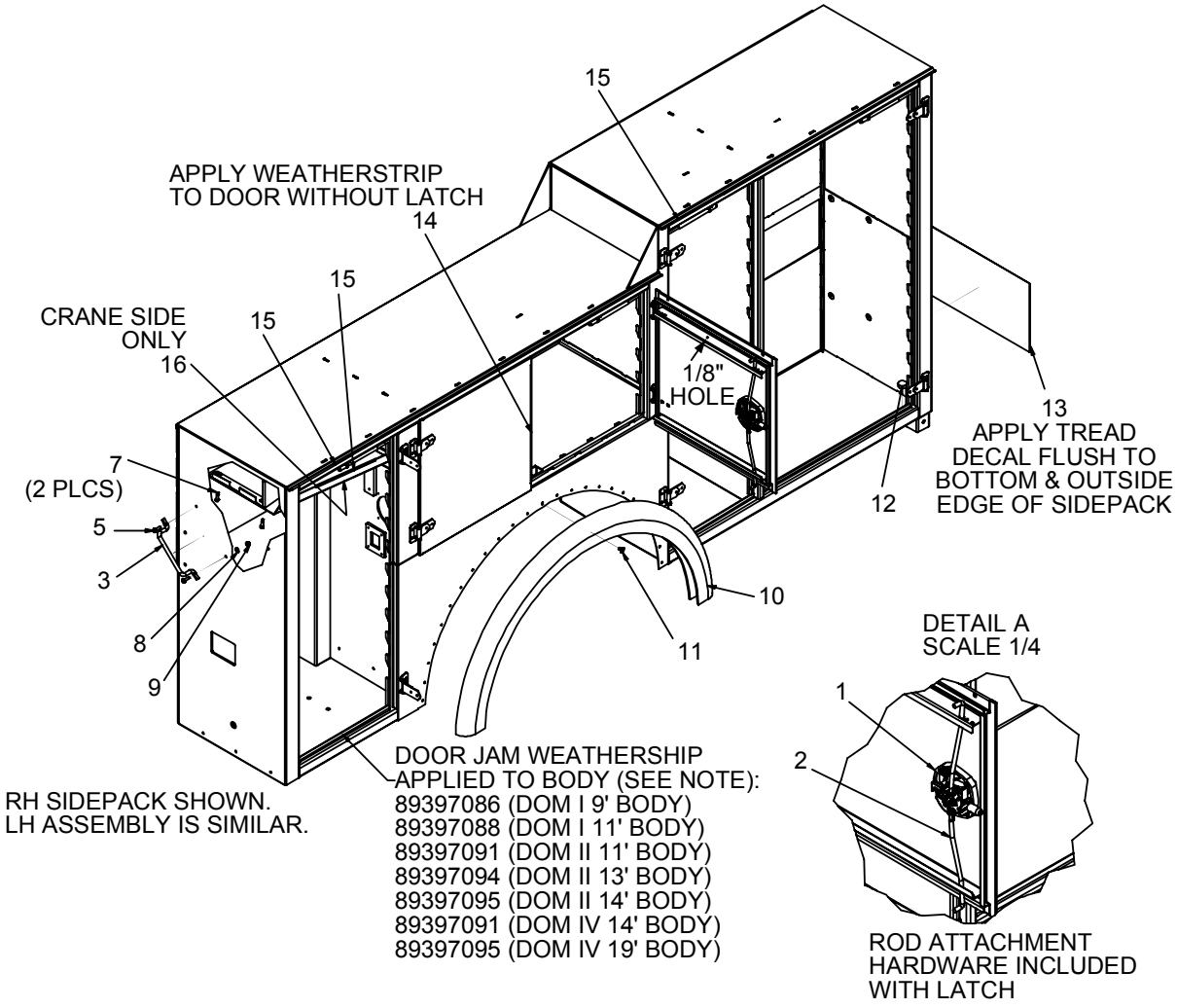
1 RIGHT AND LEFT SIDE PACKS OMITTED FOR CLARITY.

2 FASTENERS CAN BE INSTALLED FROM EITHER DIRECTION. TORQUE TO 160 FT-LB.

3 WHEN TORQUING, HOLD THE BOLT AND APPLY TORQUE TO THE NUT WITH THE TORQUE WRENCH.

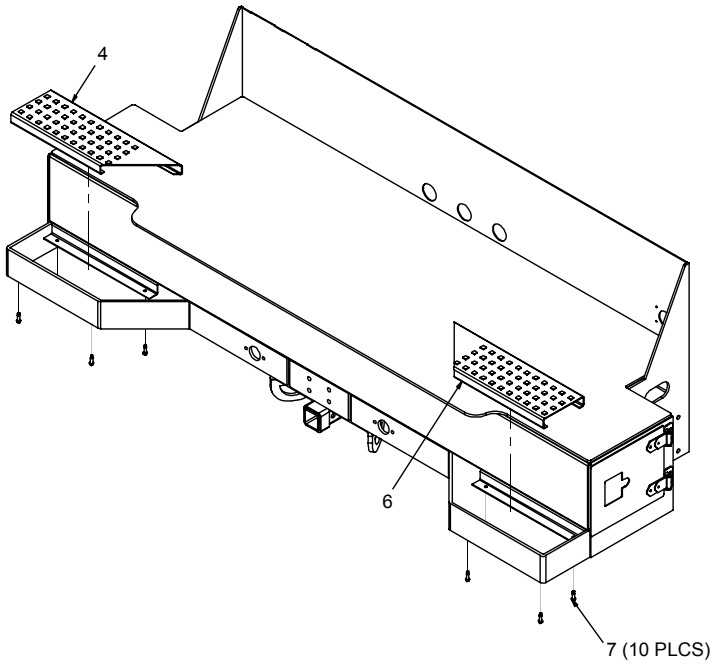
99903796 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60115068	MOUNTING ANGLE-BODY TIE DOWN	2
2.	72060026	CAP SCR .31-18X 1.25 HH GR5 Z	6
3.	72060151	CAP SCR .62-11X 2.00 HH GR8 Z (WAS 14)	12
4.	72062109	NUT .31-18 HEX NYLOCK	6
5.	76392598	WASHER .31 BONDED PLTD (WAS 72063002)	6
6.	72063078	WASHER .31X1.50 OD ZINC	6
7.	72063119	WASHER .62 FLAT ASTM F436 (WAS 28)	24
8.	72601859	NUT .62-11 HEX ZINC NYLOK GR8 (WAS 14)	12
9.	76393799	MUD FLAP W/IMT LOGO 16H X 24W	2
REV. B 20060130			

Body Assembly (99903654)



NOTE:
WEATHERSTRIP WAS CHANGED EFFECTIVE 6-15-07. THE OLD WEATHERSTRIP IS AVAILABLE FOR SERVICE. CHECK THE DOOR BRACE FOR A 1/8" HOLE TO DETERMINE WHICH WEATHERSTRIP PART NUMBER YOUR BODY REQUIRES.

MODEL	WEATHERSTRIP PART # FOR DOORS WITHOUT 1/8" HOLE IN BRACE (PRIOR TO 6-15-07)	WEATHERSTRIP PART # FOR DOORS WITH 1/8" HOLE IN BRACE (AS SHOWN IN DRAWING) (POST 6-15-07)
DOMINATOR I 9'	70393684	89397086
DOMINATOR I 11'	70393684	89397088
DOMINATOR II 11'	89395459	89397091
DOMINATOR II 13'	89395462	89397094
DOMINATOR II 14'	89395462	89397095
DOMINATOR IV 14'	89395459	89397091
DOMINATOR IV 19'	89395462	89397095



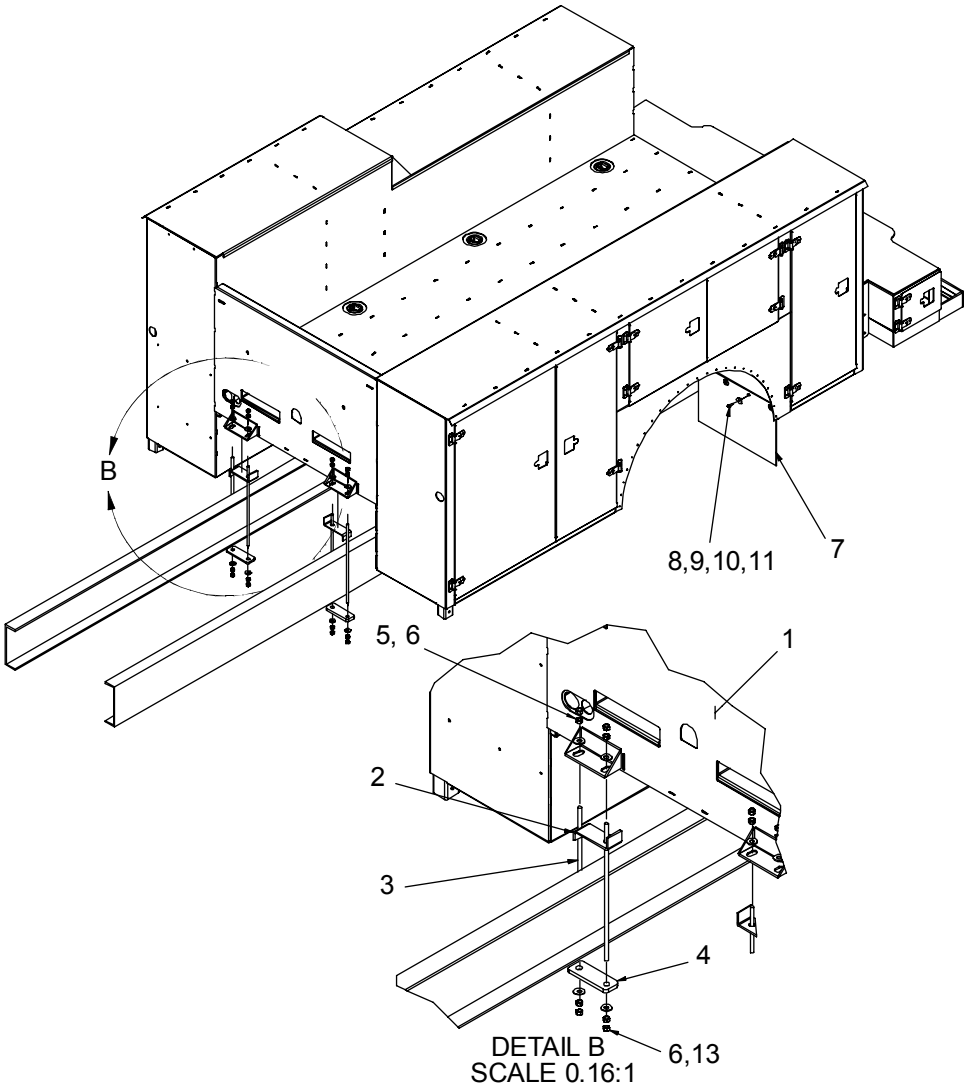
BODY ASSEMBLY PARTS LIST (99903654)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	72661599	LATCH ASM-3PT COMPRESSION	A/R
2.	VARIOUS	ROD-DOOR	A/R
3.	72661467	HANDLE-BODY BOLT ON 7.0X2.5BLK	2
4.	60126311	STEP GRIP STRUT LH	1
5.	72601590	CAP SCR-SS .31-18X1.00 TRH PHH	4
6.	60126312	STEP GRIP STRUT RH	1
7.	72060833	CAP SCR-THD CUT .31-18X .75 HWH1 (WAS 72601829)	10
8.	72063152	WASHER-SS .31 R FLAT WRT TYPE 304 (WAS 6)	4
9.	72062167	NUT-SS .31-18 HEX NYLOC	4
10.	89396599	FENDER RUBBER (DOM 2,3)	2
10.	60396773	FENDER RUBBER (DOM 1)	2
10.	89396893	FENDER RUBBER (DOM 4-14')	2
10.	89396991	FENDER RUBBER (DOM 4-19')	2
11.	72661384	RIVET-AL LG HD .25X .50 GRIP	A/R
12.	70034366	PLUG-PLSTC BUTTON BP-1-1/8	A/R
13.	60350056	TREAD-SHUR STEP 12"X 21 in.	2
14.	89393638	WEATHERSTRIP- .75X.38 TRIM-LOC X119 BT	A/R
15.	89396626	EDGING-PLASTIC BLK	A/R
16.	60116698	DRIP TRAY (DOM 1 & 2)	1
16.	60129777	DRIP TRAY (DOM 4)	1
REV. F 20070626			

NOTE: FEATURES SHOWN ARE NOT AVAILABLE ON ALL MODELS. CHECK SPECIFICATIONS OR WITH YOUR IMT DISTRIBUTOR FOR MORE INFORMATION.

See ***Dominator Chassis Specifications*** (on page 11) for CA and CT dimensions.

Body Installation (99903656) (Repl. by 99903796)

NOTE: DRAWING 99903656; KIT 93718823 REPLACED BY DRAWING 99903796; KIT 93719876 EFFECTIVE 12/14/05.

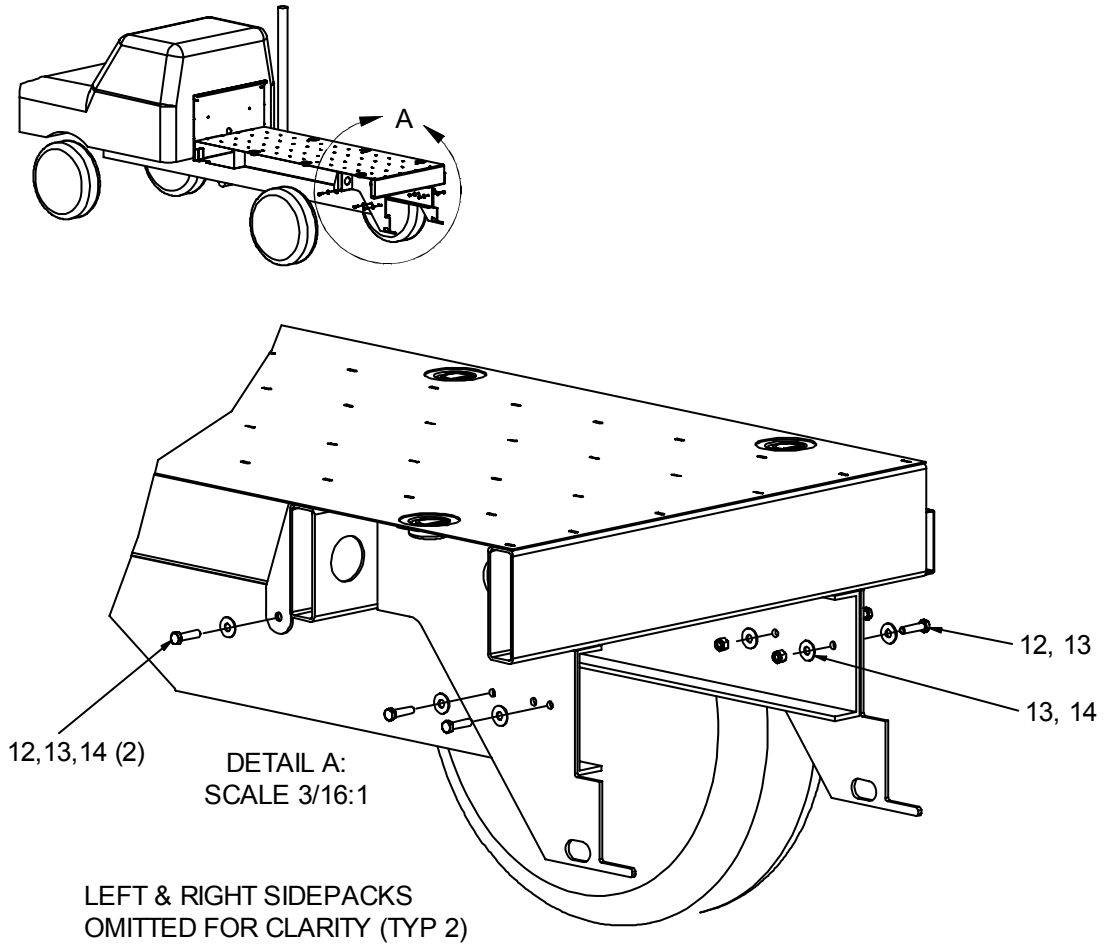


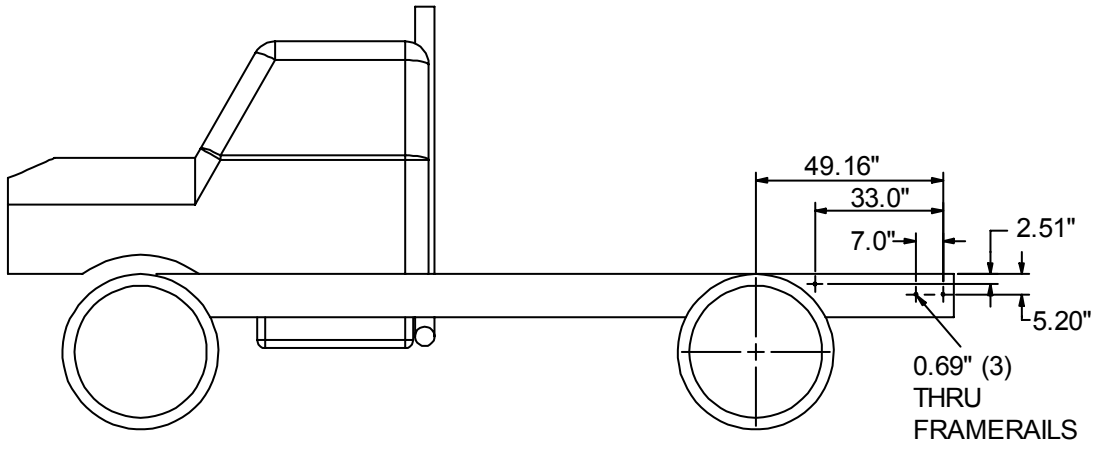
NOTES:

1 Install tie rods and plates with washers and single nuts on each end.

2 Tighten tie rods evenly, alternating top to bottom and left to right, until torque value of 45 ft-lb is reached.

3 After final torquing of all tie rods, add jam nut to each end of tie rod to prevent nut loosening.





NOTES:

1 Rear fasteners can enter from either direction.

2 Torque value = 160 ft-lb

3 When using torque wrench, hold bolt and apply torque to nut.

99903656 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	N/A	BODY WELDMENT	1
2.	60126402	FRONT MTG SIDE SHIFT STRAP	2
3.	60128834	ROD-THREADED .62-11 X 15.50	4
4.	60128826	CLAMP PLATE- .50X2.50X 7.00	2
6.	72062006	NUT .62-12 HEX	16
7.	76393799	MUD FLAP W/IMT LOGO 16H X 24W	2
8.	72062313	WASHER-SS .31X1.50 OD	6
9.	72063184	WASHER-SS .31 FLAT 18-8	6
10.	72601831	CAP SCR-SS .31-18X 1.00 HH	6
11.	72062167	NUT-SS .31-18 HEX NYLOC	6
12.	72601482	CAP SCR .62-11X 2.50 HH GR8 Z	6
13.	72063119	WASHER .62 FLAT ASTM F436	20
14.	72062091	NUT .62-11 HEX NYLOCK	6
REF	93718823	INSTALLATION KIT- BODY-CHASSIS	

REV. B 20050221

Body Components

Body Description	Body Weldment Part #
DOMINATOR 2-11' RIGHT RAISED COMPARTMENTS 1-2/ LEFT STANDARD	52718686
DOMINATOR 2-11' RIGHT STANDARD / LEFT STANDARD	52718868
DOMINATOR 2-11' RIGHT RAISED COMPARTMENTS 1-2/ LEFT RAISED COMPARTMENTS 1-2	52718871
DOMINATOR 2-11' RIGHT 60" HIGH / LEFT 60" HIGH	52718872
DOMINATOR 2-11' RIGHT RAISED COMPARTMENTS 1-2/ LEFT 60"HIGH	52718873
DOMINATOR 2-13' RIGHT RAISED COMPARTMENTS 1-2/ LEFT STD	52718877
DOMINATOR 2-14' RIGHT RAISED COMPARTMENTS 1-2/ LEFT RAISED COMPARTMENTS 1-2	52718885
DOMINATOR 2-14' RIGHT RAISED COMPARTMENTS 1-2/ LEFT 60"HIGH	52718887

Component Part #	Component Description	52718686	52718868	52718871	52718872	52718873	52718877	52718885	52718887
99903654	BASE - BODY ASSEMBLY DRAWING	1	1	1	1	1	1	1	1
60130298	ROD-DOOR 23.12 LG W/0.75 OFFSET	4	0	8	10	10	4	8	12
60130297	ROD-DOOR 27.12 LG W/0.75 OFFSET	8	12	4	2	2	12	8	4
60127636	ROD-DOOR 14.38 LG W/.75" OFFSET	0	0	0	4	2	0	0	2
60127447	ROD-DOOR 10.38 LG W/.75" OFFSET	4	4	4	0	2	4	4	2
70034366	PLUG-PLSTC BUTTON BP-1-1/8	6	6	6	6	6	8	8	8
72661599	LATCH ASM-3PT COMPRESSION	10	10	10	10	10	12	12	12
89395459	WEATHERSTRIP-128' ROLL .62X.50	1	1	1	1	1	0	0	0
89395461	WEATHERSTRIP-148' ROLL .62X.50	0	0	0	0	0	1	0	0
89395462	WEATHERSTRIP-158' ROLL .62X.50	0	0	0	0	0	0	1	1
89393638	WEATHERSTRIP- .75X.38 TRIM-LOC X119 BT	4	4	4	6	5	4	4	5
89396626	EDGING-PLASTIC BLK	22	22	22	22	22	26	28	28
70396637	DECAL KIT-OUTSIDE	1	1	1	1	1	1	1	1
91719003	MANUAL KIT -DOM 2 & DOM 2 LO/PRO	1	1	1	1	1	1	1	1
51718760	KIT HRDW DOM CRANE DRIP TRAY	1	1	1	1	1	1	1	1
51719745	KIT-HRDW DOM RIVET/GRAB HANDLE (D2-3) (WAS 51716366)	1	1	1	1	1	1	1	1
93718823	INSTALLATION KIT BODY-CHASSIS	1	1	1	1	1	1	1	1
REV 20090430									

REV. 20050927

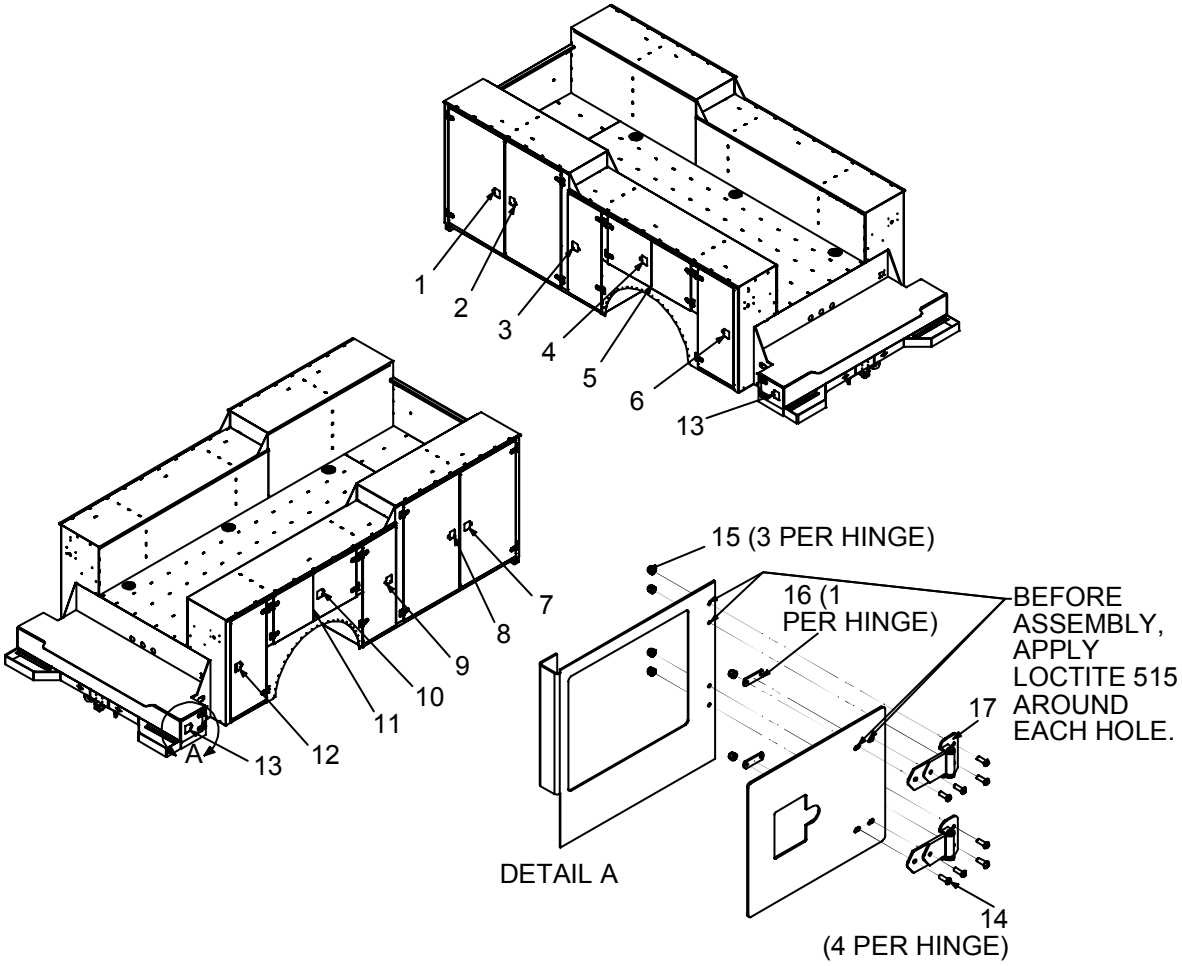
KEY CYLINDER REPLACEMENT: The Dominator service vehicle uses door latch assembly 72661599 on all compartment doors. Upon installation, the latch assemblies have a common key cylinder, part number 72661608. However, the key cylinders can be changed so compartments use different keys. This feature allows different Dominator compartments to have different keys, thus increasing security.

Part # 72661619, Cylinder / Key Tool for Compression Latch, is required to change the key cylinders on the Dominators.

Alternate key cylinders include:

72661609	Cylinder/Key Compression Latch J201
72661610	Cylinder/Key Compression Latch J202
72661611	Cylinder/Key Compression Latch J203
72661612	Cylinder/Key Compression Latch J204
72661613	Cylinder/Key Compression Latch J205
72661614	Cylinder/Key Compression Latch J206
72661615	Cylinder/Key Compression Latch J207
72661616	Cylinder/Key Compression Latch J208
72661617	Cylinder/Key Compression Latch J209
72661618	Cylinder/Key Compression Latch J210

Door Assembly (99903767)

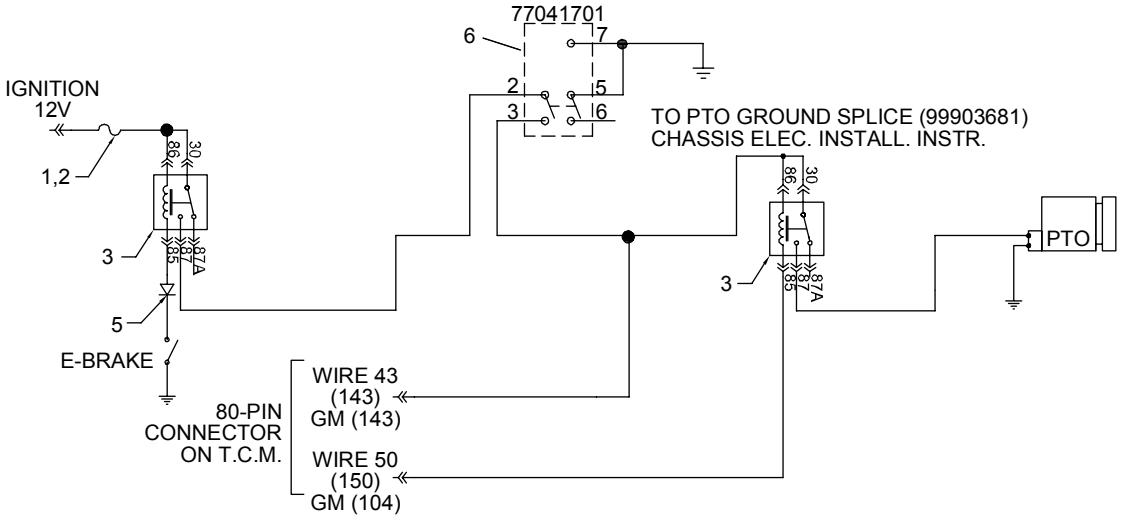


ITEM	LOCATION	BODY	52" DOM 2	60" DOM 2
1.	LEFT VERT 1	ALL	52718711	52718715
2.	LEFT VERT 2	11'	52718710	52719089
2.	LEFT VERT 2	13'	52718726	52719092
2.	LEFT VERT 2	14'	52718711	52718715
3.	LEFT VERT 3	13' & 14'	52718710	52719089
4.	LEFT HORIZ W/LATCH	11', 13', 14'	52718727	52719090
4.	LEFT HORIZ W/LATCH	9'	N/A	N/A
5.	LEFT HORIZ W/O LATCH	11', 13', 14'	52711426	52719091
5.	LEFT HORIZ W/O LATCH	9'	N/A	N/A
6.	LEFT REAR	ALL	52718726	52719092
7.	RIGHT VERT 1	ALL	52718711	52718715
8.	RIGHT VERT 2	11'	52718969	52718716
8.	RIGHT VERT 2	13'	52718726	52719092
8.	RIGHT VERT 2	14'	52718711	52718715

ITEM	LOCATION	BODY	52" DOM 2	60" DOM 2
9.	RIGHT VERT 3	13' & 14'	52718969	52718716
10.	RIGHT HORIZ W/LATCH	11', 13', 14'	52718727	52719090
10.	RIGHT HORIZ W/LATCH	9'	N/A	N/A
11.	RIGHT HORIZ W/O LATCH	11', 13', 14'	52711426	52719091
11.	RIGHT HORIZ W/O LATCH	9'	N/A	N/A
12.	RIGHT REAR	ALL	52718726	N/A
13.	WORKBENCH	ALL	60126276	60126276
14.	SCREW-MACH .25-20X .75 TRHTORXSS (4 PER HINGE)	ALL	72601652	72601652
15.	NUT-SS .25-20 NYLOC (3 PER HINGE)	ALL	72062194	72062194
16.	WELD NUT .25-20 (1 PER HINGE)	ALL	72062264	72062264
17.	HINGE-SS 10GA BUTT	ALL	72661383	72661383
REV. 20080417				

PTO Wiring Installation-2006 & 2007 (99904085)

Allison T1000/T2000 TCM with Single PTO (4th Generation) (2006-7) (99904085-1)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

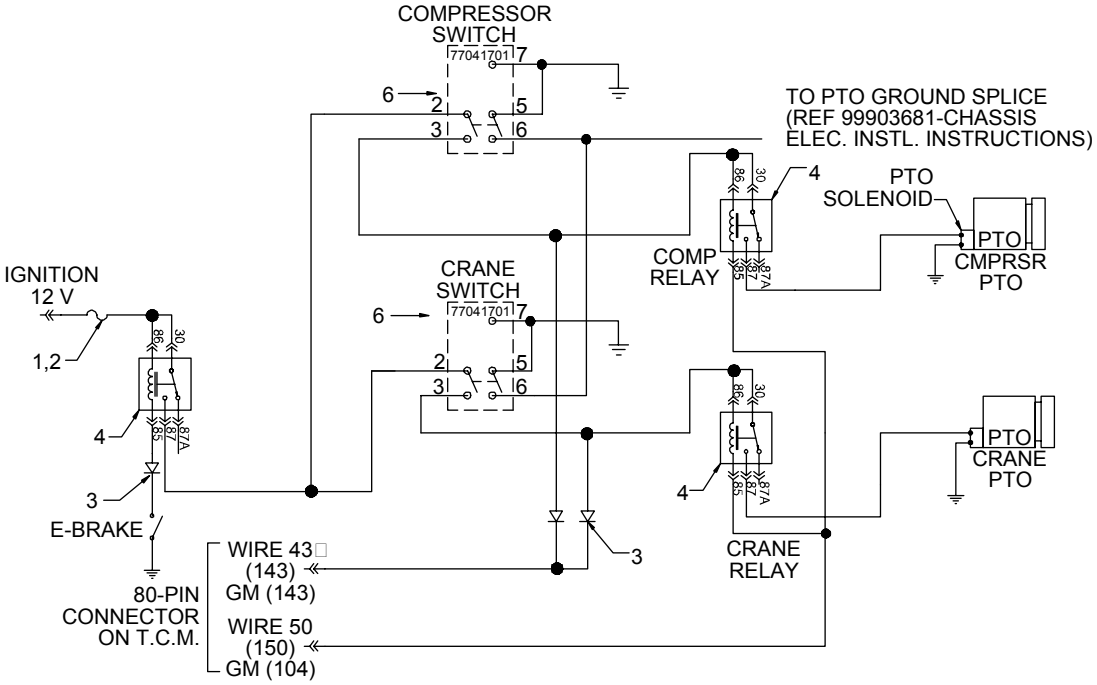
3 TCM for Sterling Actera is located under the cab. Use customer access Metripack connector located on the driver's side wheel well. Use cavity "F" for pin 43 and cavity "G" for pin 50. Use item #5 terminal to connect.

4 TCM for International 4300 and 4400 models is located under the cab. Use customer access Metripack connector located in the driver's side, upper wheel well. Use cavity "B" for wire 43 and cavity "C" for wire 50. Use item #5 terminal to connect.

5 2007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Wire 143 = Pin C; Wire 104 = Pin K.

ALLISON T1000/T2000 4th GEN SINGLE PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77041251	RELAY	2
4.	77441047	TERMINAL, MP 150 16-18GA MALE	2
5.	77044556	DIODE	1
6.	77041701	SWITCH-ROCKER	1
NEW 20061108			

Allison T1000/T2000 TCM with Dual PTO (4th Generation) (2006-7) (99904085-2)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

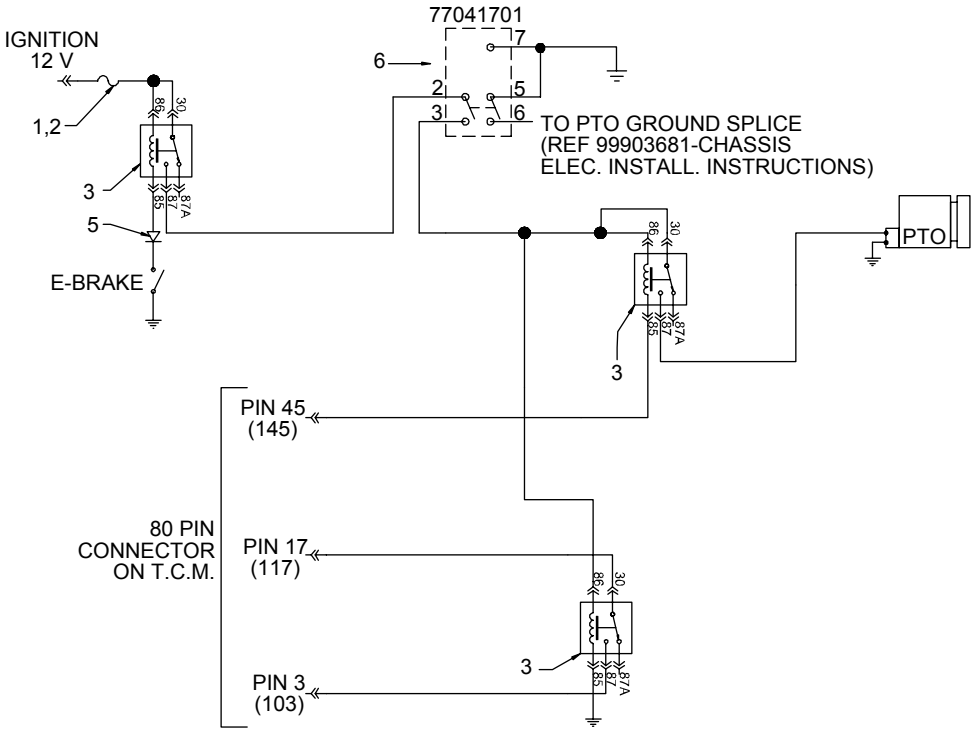
3 TCM for Sterling Actera is located under the cab. Use customer access Metripack connector located on the driver's side wheel well. Use cavity "F" for pin 43 and cavity "G" for pin 50. Use item #5 terminal to connect.

4 TCM for International 4300 and 4400 models is located under the cab. Use customer access Metripack connector located in the driver's side, upper wheel well. Use cavity "B" for wire 43 and cavity "C" for 50. Use item #5 terminal to connect.

5 2007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Wire 143 = Pin C; Wire 104 = Pin K.

ALLISON T1000/T2000 4th GEN DUAL PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77044556	DIODE - 2.2 AMP/ 274 V	3
4.	77041251	RELAY	3
5.	77441047	TERMINAL, MP 150 16-18GA MALE	2
6.	77041701	SWITCH-ROCKER	2
NEW 20061108			

Allison T3000/T4000 TCM with Single PTO (4th Generation) (2006-7) (99904085-3)



NOTE:

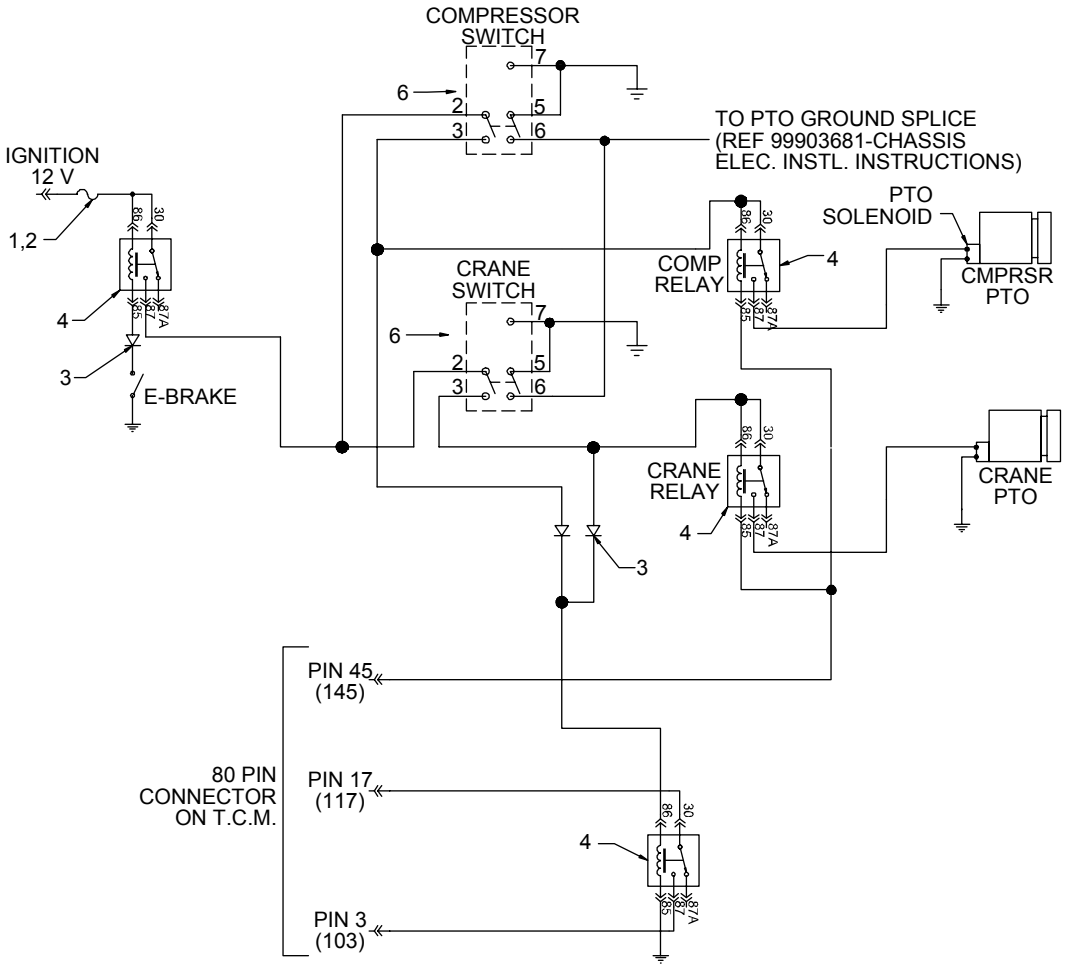
1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

3 2007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Pin 45 = Pin A; Pin 17 = Pin B; Pin 3 = Pin J

ALLISON T3000/T4000 4th GEN SINGLE PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77041251	RELAY	2
4.	77441047	TERMINAL MP 150 16-18GA	3
5.	77044556	DIODE - 2.2 AMP/ 274 V	1
6.	77041701	SWITCH-ROCKER	1
NEW 20061108			

Allison T3000/T4000 TCM with Dual PTO (4th Generation) (2006-7) (99904085-4)



NOTE:

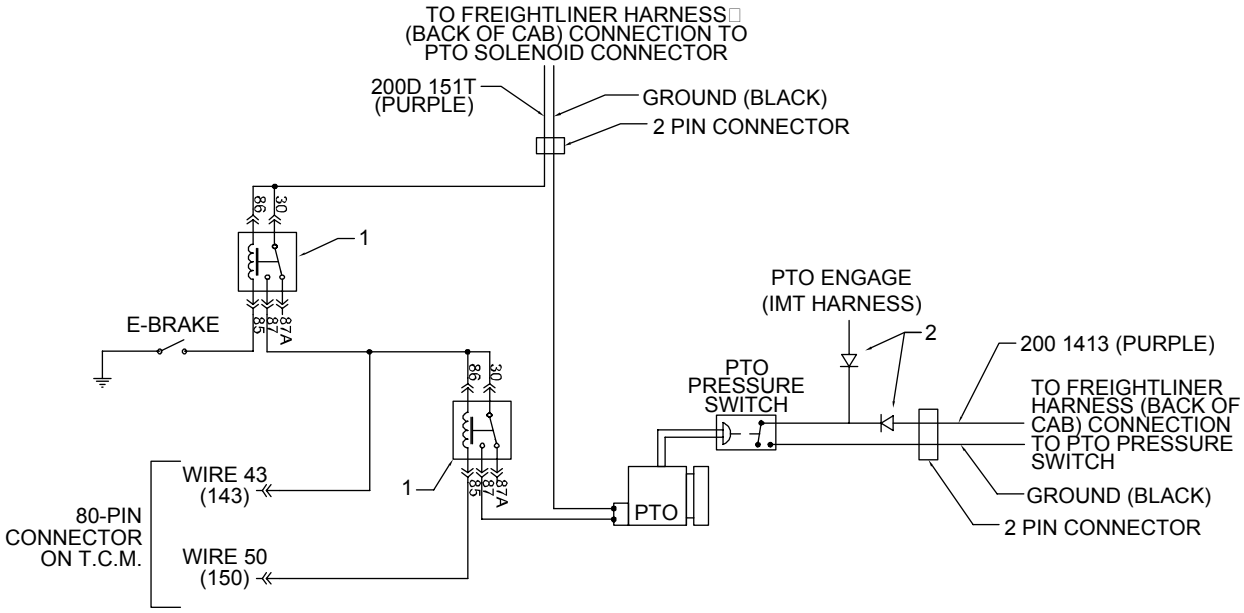
1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.2

3 007 and newer GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Pin 45 = Pin A; Pin 17 = Pin B; Pin 3 = Pin J

ALLISON T3000/T4000 4th GEN DUAL PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77044556	DIODE - 2.2 AMP/ 274 V	3
4.	77041251	RELAY	4
5.	77441047	TERMINAL, MP 150 16-18GA MALE	REF
6.	77041701	SWITCH-ROCKER	2
NEW 20061108			

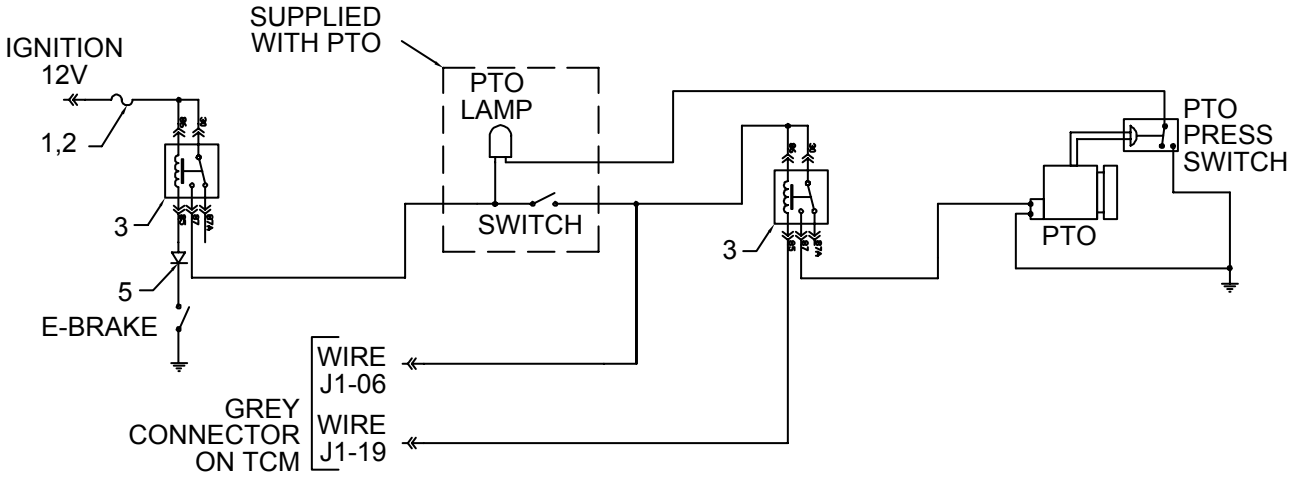
Allison T1000/T2000 TCM Freightliner - Single PTO (4th Generation) (2006-7) (99904085-5)



ALLISON T1000/T2000 4th GEN FREIGHTLINER PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77041251	RELAY	2
2.	77044556	DIODE - 2.2 AMP/ 274 V	2
NEW 20061108			

PTO Wiring Installation Through 2005 (99903409)

Allison T1000/T2000 TCM with Single PTO Through 2005 (99903409-1)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

3 TCM for Sterling Actera is located under the cab. Use customer access Metripack connector located on the driver's side wheel well. Use cavity "F" for wire J1-06 and cavity "G" for wire J1-19. Use item #4 terminal to connect.

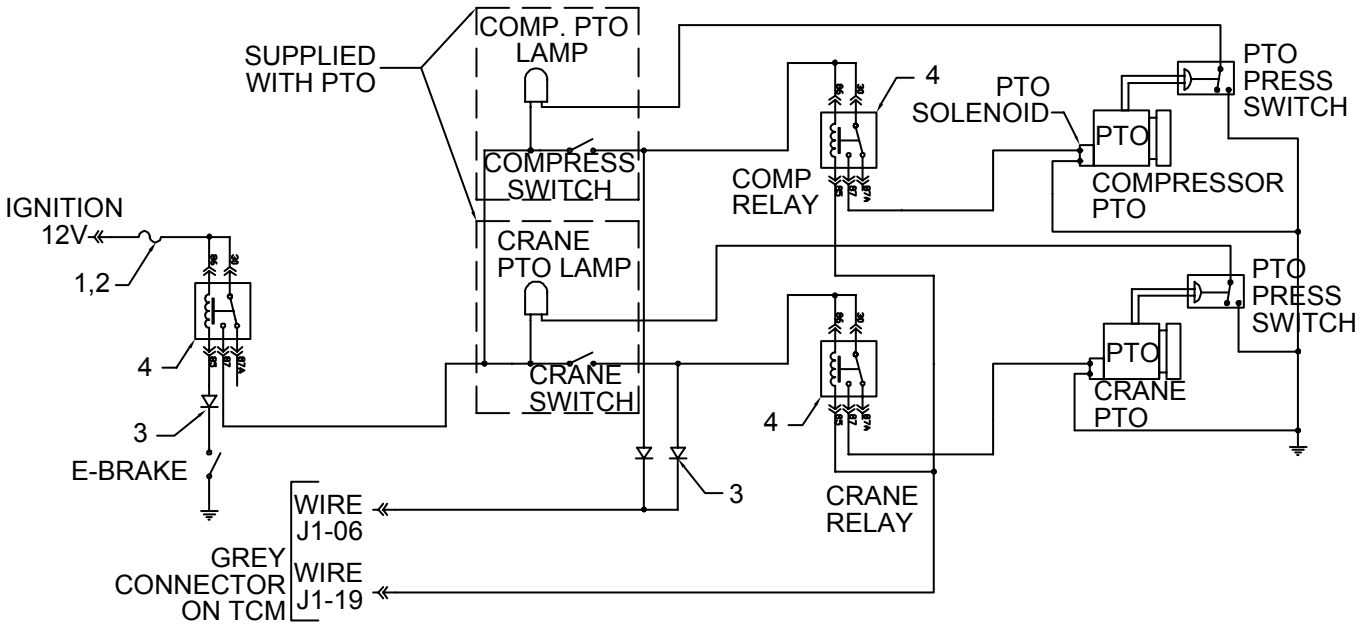
4 TCM for International 4300 and 4400 models is located under the cab. Use customer access Metripack connector located in the driver's side, upper wheel well. Use cavity "B" for wire J1-06 and cavity "C" for J1-19. Use item #4 terminal to connect.

5 GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Wire 106 = Pin B; Wire 119 = Pin J

ALLISON T1000/T2000 SINGLE PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77041251	RELAY	1
4.	77441047	TERMINAL, MP 150 16-18GA MALE	2
5.	77044556	DIODE, 2.2 AMP	1

REV. B 20050519

Allison T1000/T2000 TCM with Dual PTO Through 2005 (99903409-2)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

3 TCM for Sterling Actera is located under the cab. Use customer access Metripack connector located on the driver's side wheel well. Use cavity "F" for wire J1-06 and cavity "G" for wire J1-19. Use item #5 terminal to connect.

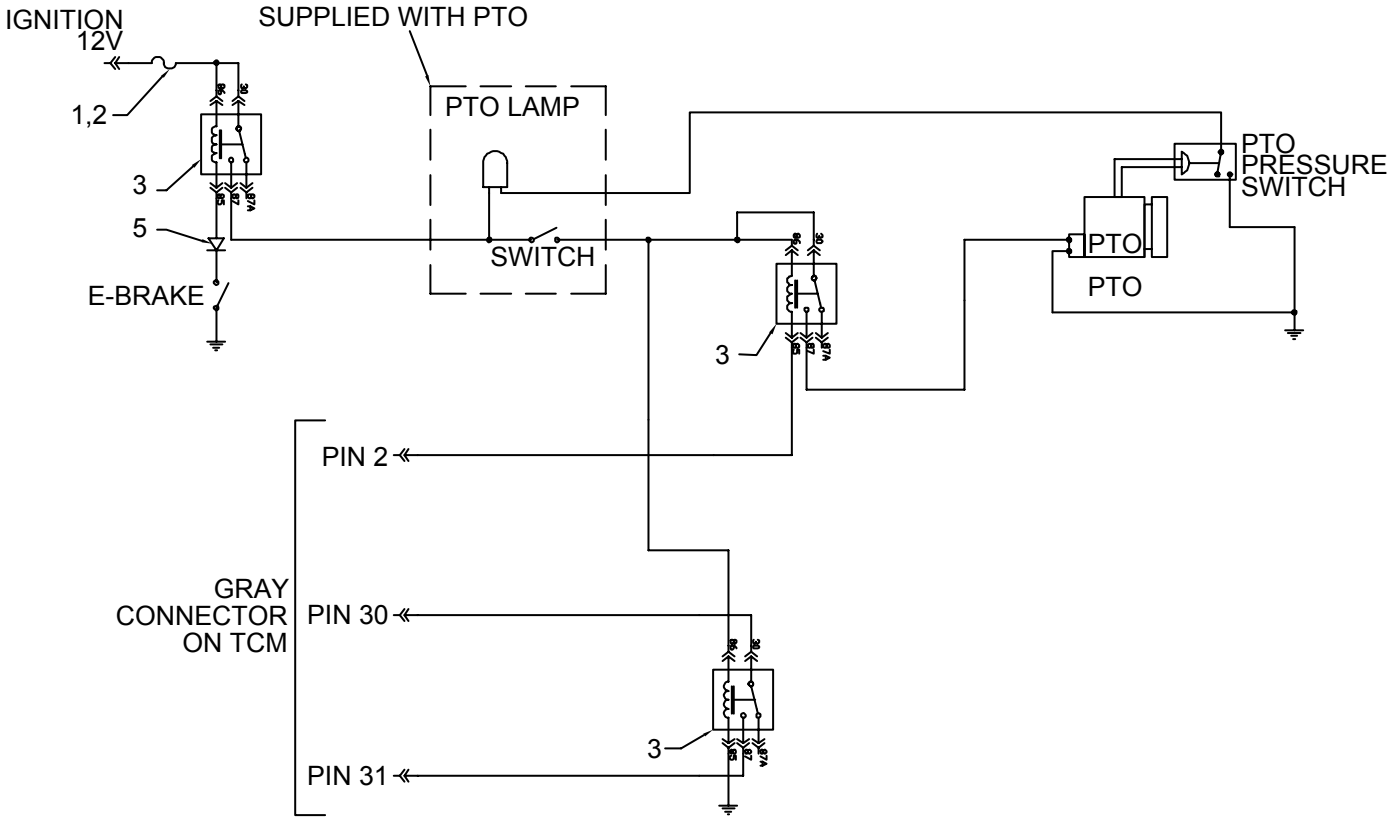
4 TCM for International 4300 and 4400 models is located under the cab. Use customer access Metripack connector located in the driver's side, upper wheel well. Use cavity "B" for wire J1-06 and cavity "C" for J1-19. Use item #4 terminal to connect.

5 GM Transmission Connector (Located near upfitter connector in the engine compartment on the right side) Wire 106 = Pin B; Wire 119 = Pin J

ALLISON T1000/T2000 DUAL PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77044556	DIODE - 2.2 AMP	2
4.	77041251	RELAY	2
5.	77441047	TERMINAL, MP 150 16-18GA MALE	2

REV. B 20050519

Allison T3000/T4000 TCM with Single PTO Through 2005 (99903409-3)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

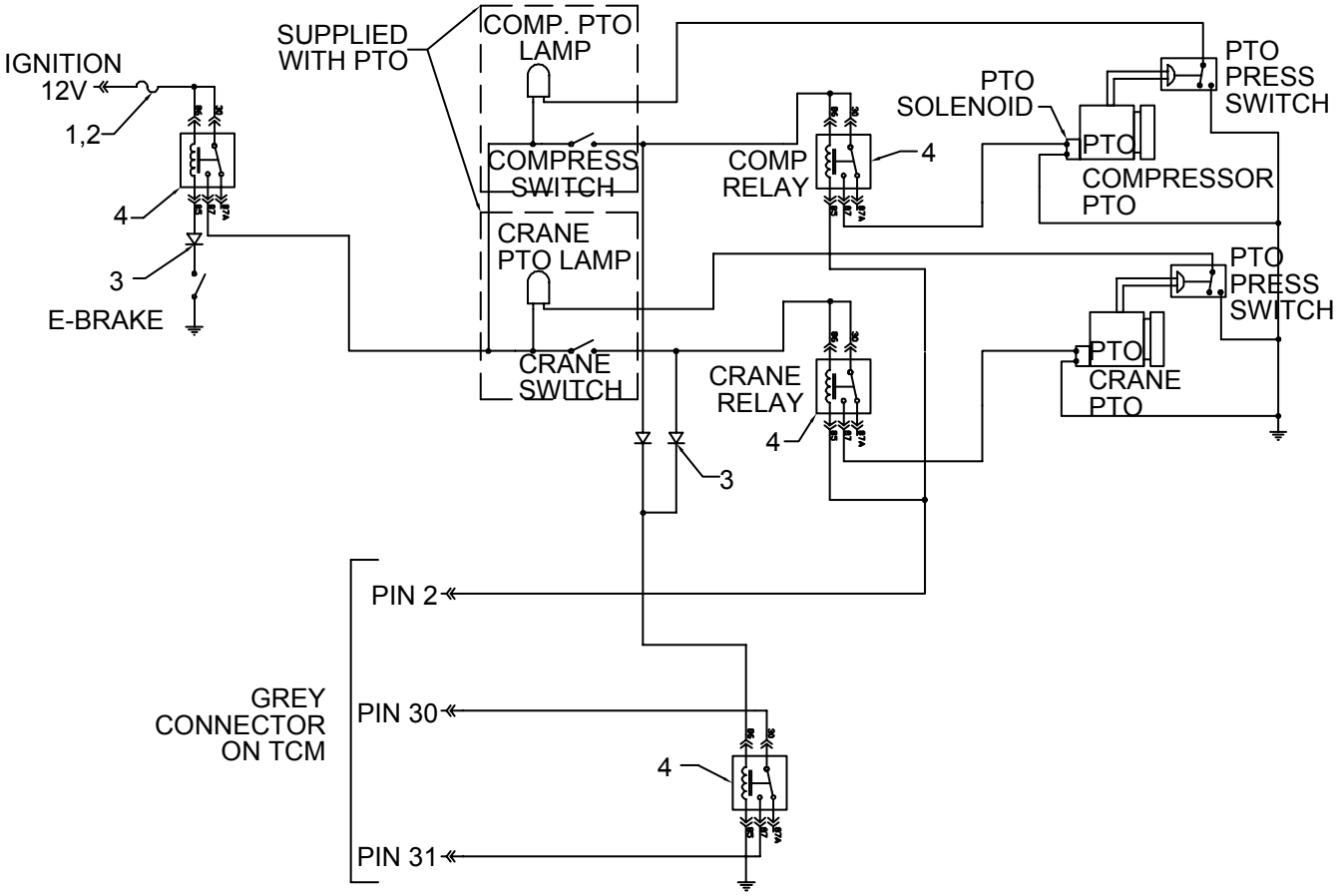
2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

3 GM transmission connector (located near the GM upfitter connector in the engine compartment on the right side); Pin 2 = Pin A, Pin 30 = Pin B, Pin 31 = Pin J

ALLISON T3000/T4000 SINGLE PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77041251	RELAY	2
4.	77441047	TERMINAL, MP 150 16-18GA MALE	3

REV. B 20050519

Allison T3000/T4000 TCM with Dual PTO Through 2005 (99903409-4)



NOTE:

1 Different chassis may have different codes for the TCM wire numbers.

2 TCM for Freightliner is behind the dash on the passenger side of the cab. Splice into appropriate wires at that location.

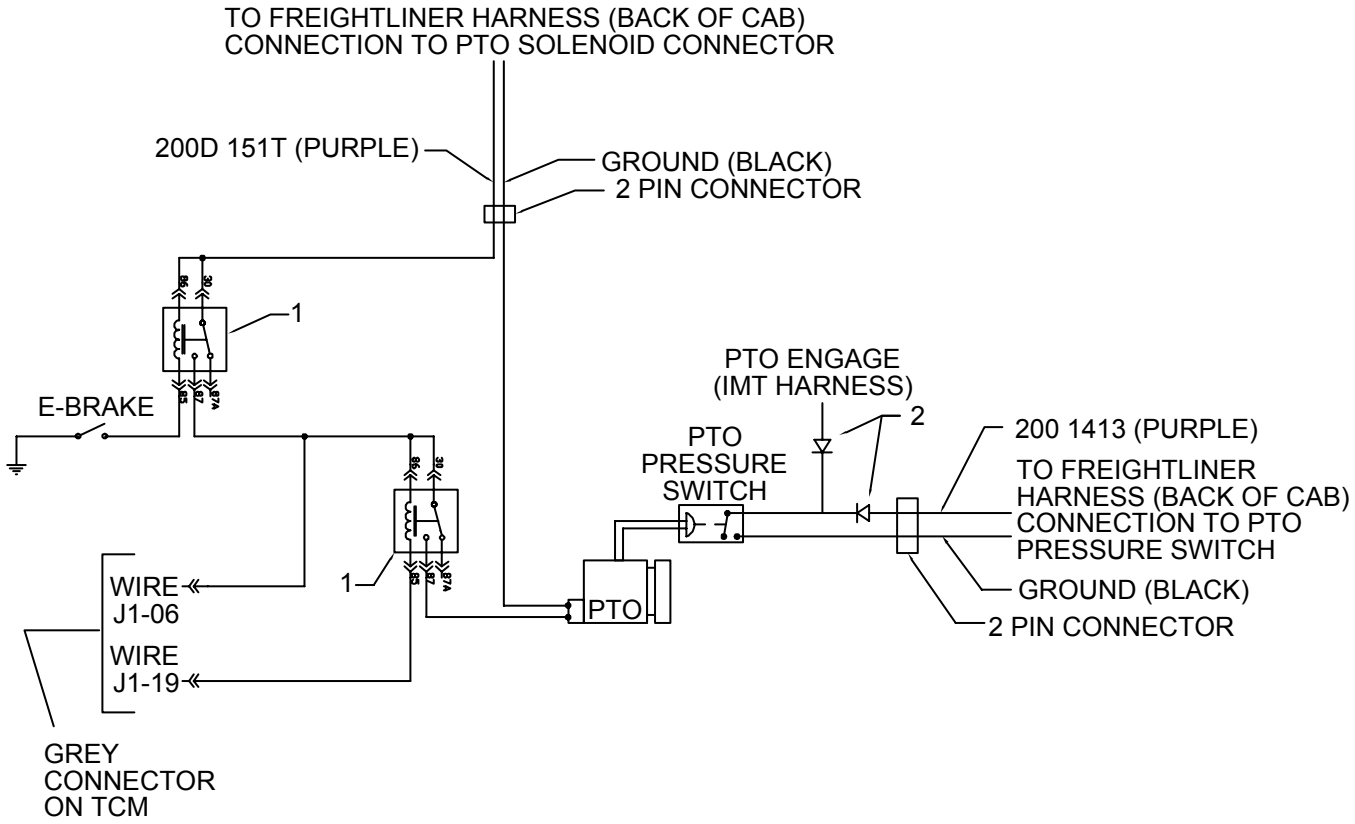
3 GM transmission connector (located near the GM upfitter connector in the engine compartment on the right side); Pin 2 = Pin A, Pin 30 = Pin B, Pin 31 = Pin J

4 Use item #5 to connect.

ALLISON T3000/T4000 DUAL PTO WIRING PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044764	FUSE HOLDER W/O FUSE	1
2.	77041527	FUSE-ATC 7.5 AMP	1
3.	77044556	DIODE 2.2 AMP	2
4.	77041251	RELAY	2
5.	77441047	TERMINAL, MP 150 16-18GA MALE	REF

REV. B 20050519

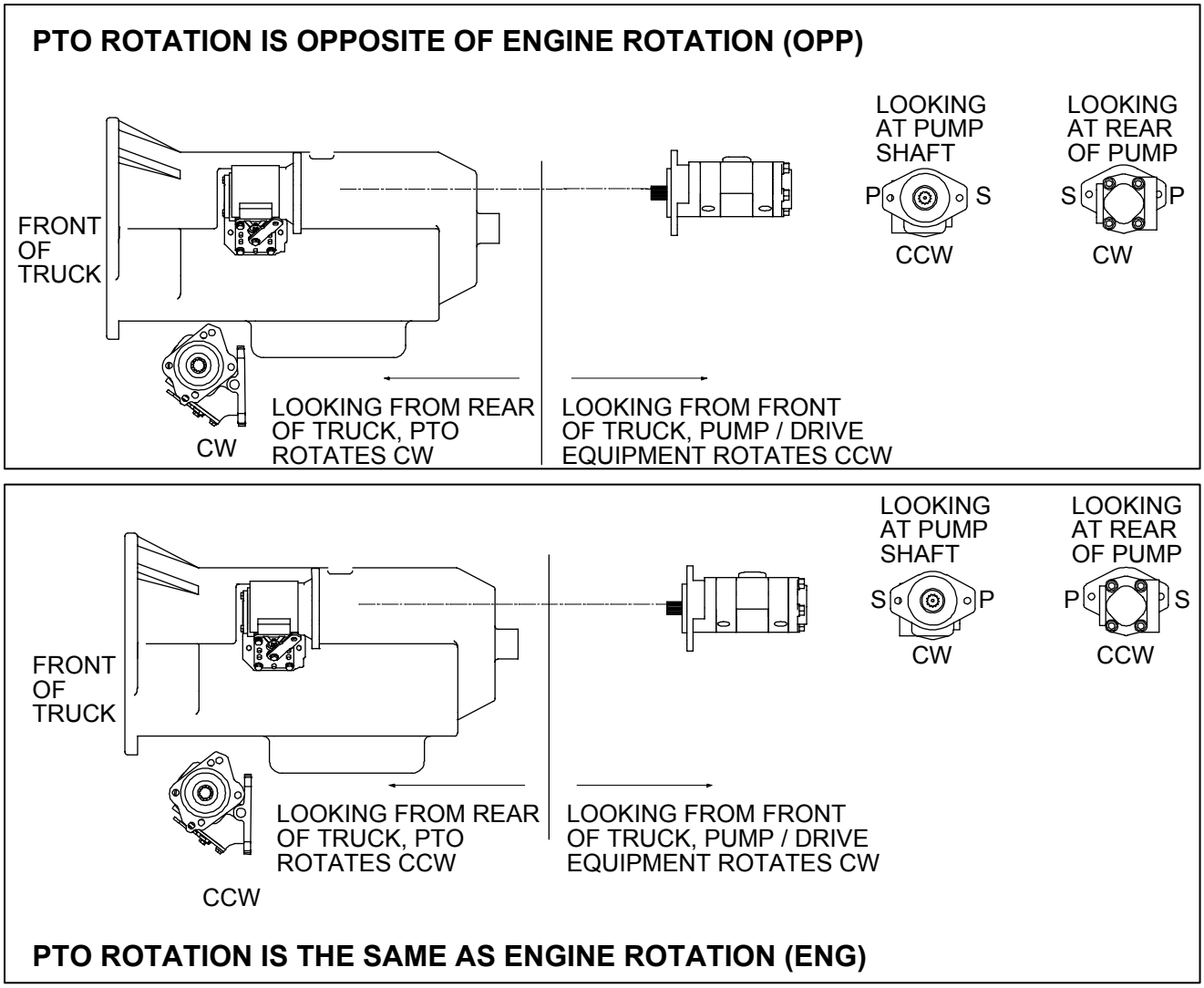
Allison T1000/T2000 TCM with Single PTO on Freightliner with PTO Dash Switch Through 2005 (99903409-5)



ALLISON T1000/T2000 TCM SINGLE PTO ON FREIGHTLINER WITH PTO DASH SWITCH			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77041251	RELAY	2
2.	77044556	DIODE, 2.2 AMP	2

REV. B 20050519

PTO/Pump Rotation Guide (99904279)

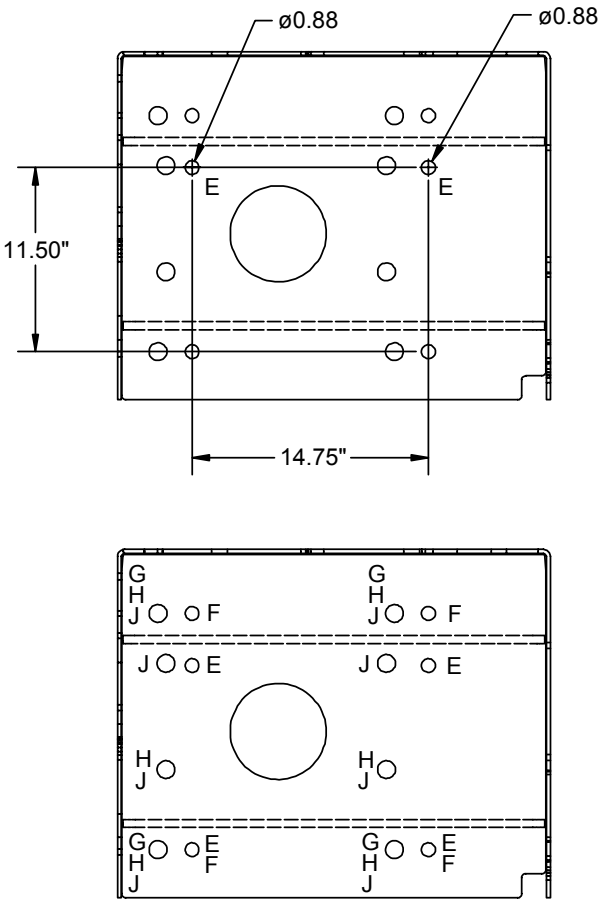


NOTES:

1 The pump / driven equipment should always rotate in the opposite direction of the PTO.

2 A geared adapter will always change the rotation of the PTO.

Crane Installation Hole Pattern (99903339)



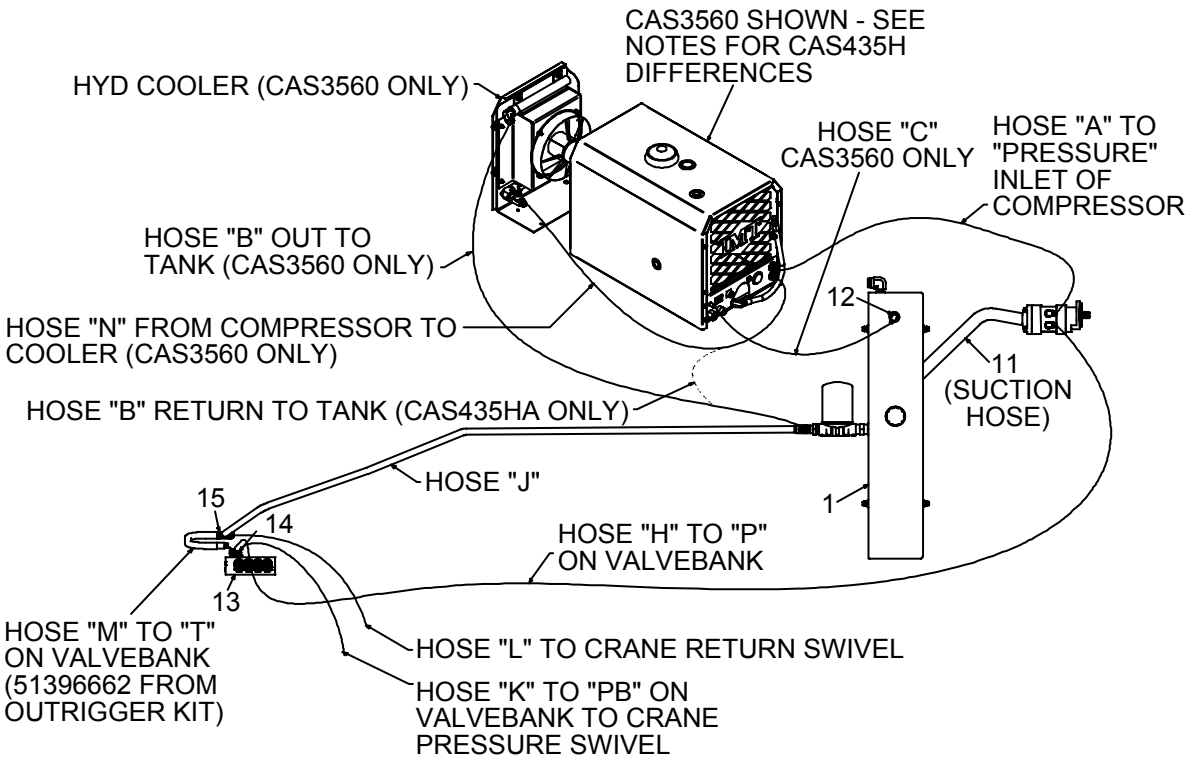
WHEN HOLE "E" IS REQUIRED, THE INDICATED HOLES MUST BE DRILLED THROUGH THE THICK PLATE.

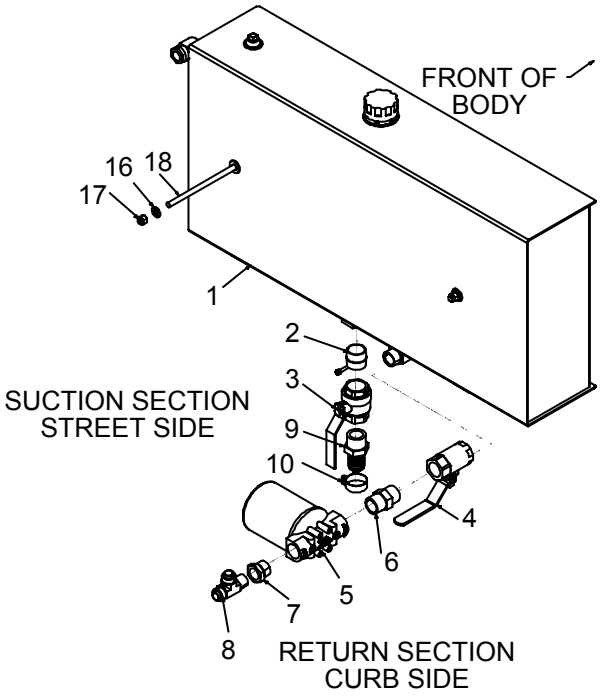
HOLE INDEX PER CRANE MODEL:

E	1015
	3203i
	4004i (Models with serial number beginning with 4004i08...)
F	2002i (Adapter plate 51721678 required at installation.)
	2020
	4004i (Models with 6-digit serial number - Adapter plate 51721678 required at installation.)
G	2820
	3020
	3820
	5020
	5005i
	6006i
H	6020
J	6025

REV. H 20090609

Hydraulic Installation (99904562) (Eff. 12-15-08)


CAS3560 SHOWN - SEE NOTES FOR CAS435H DIFFERENCES
HYD COOLER (CAS3560 ONLY)
HOSE "C" CAS3560 ONLY
HOSE "A" TO "PRESSURE" INLET OF COMPRESSOR
HOSE "B" OUT TO TANK (CAS3560 ONLY)
12
HOSE "N" FROM COMPRESSOR TO COOLER (CAS3560 ONLY)
11 (SUCTION HOSE)
HOSE "B" RETURN TO TANK (CAS435HA ONLY)
HOSE "J"
15
14
1
HOSE "H" TO "P" ON VALVEBANK
13
HOSE "M" TO "T" ON VALVEBANK (51396662 FROM OUTRIGGER KIT)
HOSE "L" TO CRANE RETURN SWIVEL
HOSE "K" TO "PB" ON VALVEBANK TO CRANE PRESSURE SWIVEL



99904562 HOSE IDENTIFICATION CHART	
A	COMPRESSOR PRESSURE HOSE
B	COMPRESSOR TO TANK
C	COMPRESSOR CASE DRAIN
H	CRANE PRESSURE
J	CRANE RETURN TO TANK
K	CRANE PRESSURE EXT
L	CRANE TANK EXT
M	OUTRIGGER VALVEBANK RETURN (FROM OUTRIGGER KIT)
N	COOLER INLET

99904562 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51721745	RESERVOIR ASSEMBLY	1
2.	72053251	NIPPLE-PIPE BLK 1.50X CLOSE	1
3.	73054379	VALVE-BALL 1.50	1
4.	73054232	VALVE-BALL 1.25	1
5.	73052091	FILTER-HYD RET 10MIC 1.25 NPTF	1
6.	72053729	ADPTR-MPT/HEX/MPT 1.25 1.25	1
7.	72531837	REDUCER BUSH-STL 1.25-1.00	A/R
8.	72533564	ADPTR-MPT/M JIC 1.25 16	A/R
8.	72534411	TEE-MALE RUN 1 MPT X 1 JIC	A/R
9.	SEE CHART	HOSEBARB-STRAIGHT	1
10.	SEE CHART	CLAMP-HOSE T-BOLT	2
11.	89393401	HOSE-HYD 1.25 100R4	A/R
11.	89397483	HOSE-HYD 1.50 SUCTION	A/R
12.	72534410	ELBOW-MPT/90/M JIC .75 6	A/R
13.	73734228	VALVE BANK 2 SEC (MAN OUT/HYD DOWN)	1

99904562 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
13.	73734229	VALVE BANK 3 SEC (HYD OUT/HYD DOWN)	1
14.	72532739	ADPTR-M JIC/M JIC 8 8 (MANUAL OUTRIGGERS)	1
14.	72532358	ADPTR-M STR/M JIC 8 8 (HYD OUTRIGGERS)	3
15.	72532855	ADPTR-M JIC/M JIC 12 12 (MAN OUTRIGGERS)	1
15.	72532695	TEE-MALE JIC 1.06-12 .75 TUBE (HYD OUTRIGGERS)	1
16.	72063005	WASHER .50 FLAT	4
17.	72062080	NUT .50-13 HEX NYLOCK	4
18.	60129786	ROD-THREADED .50-13 X 11.50	2
NEW 20081215			

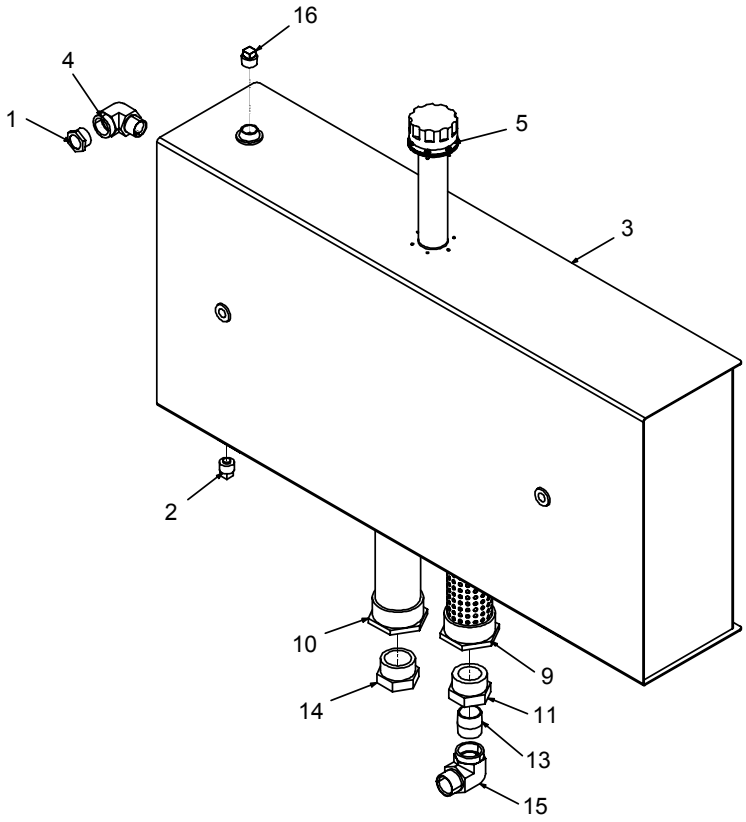
HYDRAULIC INSTALLATION COMPONENTS - UNITS WITH WELDER DECKS (99904562) (EFF 12-15-08)						
	INSTALLATION KIT	93719799	93719800	93719801	93719802	93719803
	HOSE KIT	51719789	51719790	51719791	51719792	51719793
	APPLICATION	CRANE WITH WELDER DECK	CAS435HA COMP. WITH WELDER DECK	CAS3560 WITH WELDER DECK	CRANE, CAS435HA WITH WELDER DECK	CRANE, CAS3560 WITH WELDER DECK
A	COMP PRESSURE HOSE ASSEMBLY			51396651 (1)	51396211 (1)	51396651 (1)
B	COMP TANK HOSE ASSEMBLY		51396823 (1)	51396752 (1)	51396823 (1)	51396752 (1)
C	COMP CASE DRAIN HOSE ASSEMBLY			51396845 (1)		51396845 (1)
H	CRANE PRESSURE HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)
J	CRANE RETURN TO TANK HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)
K	CRANE PRESSURE HOSE ASSEMBLY	51394524 (1)			51394524 (1)	51394524 (1)
L	CRANE TANK HOSE ASSEMBLY	51396661 (1)			51396661 (1)	51396661 (1)
N	COOLER INLET HOSE ASSEMBLY				51396747 (1)	51396747 (1)
7	REDUCER BUSHING				72531837 (1)	72531837 (1)
8	FITTING	72533564 (1)	72533564 (1)	72533564 (1)	72534411 (1)	72534411 (1)
9	HOSEBARB-STRAIGHT	72534571 (1)	72534571 (1)	72534571 (1)	72531552 (1)	72531552 (1)
10	CLAMP-HOSE	72661642 (2)	72661642 (2)	72661642 (2)	72661656 (2)	72661656 (2)
12	ELBOW-CASE DRAIN			72534410 (1)		72534410 (1)
CA	COMP AIR FITTING			72053458 (1)		72053458 (1)
CA	COMP AIR FITTING			72053556 (1)		72053556 (1)
CA	COMP AIR FITTING		72531547 (1)		72531547 (1)	
CH	COMP HYD FITTING		72534435 (1)		72534435 (1)	
CH	COMP HYD FITTING		72053766 (1)		72053766 (1)	

HYDRAULIC INSTALLATION COMPONENTS - UNITS WITHOUT WELDER DECKS (99904562) (EFF 12-15-08)						
	INSTALLATION KIT	93719794	93719795	93719796	93719797	93719798
	HOSE KIT	51719784	51719785	51719786	51719787	51719788
	APPLICATION	CRANE W/O WELDER DECK	CAS435HA W/O WELDER DECK	CAS3560 W/O WELDER DECK	CRANE, CAS435HA W/O WELDER DECK	CRANE, CAS3560 W/O WELDER DECK
A	COMP PRESSURE HOSE ASSEMBLY			51395433 (1)51396502 (1)	51395433 (1)	51396502 (1)
B	COMP TANK HOSE ASSEMBLY		51396823 (1)	51396752 (1)	51396823 (1)	51396752 (1)
C	COMP CASE DRAIN HOSE ASSEMBLY				51396845 (1)	51396845 (1)
H	CRANE PRESSURE HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)
J	CRANE RETURN TO TANK HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)
K	CRANE PRESSURE HOSE ASSEMBLY	51394524 (1)			51394524 (1)	51394524 (1)
L	CRANE TANK HOSE ASSEMBLY	51396661 (1)			51396661 (1)	51396661 (1)
N	COOLER INLET HOSE ASSEMBLY				51396747 (1)	51396747 (1)
7	REDUCER BUSHING				72531837 (1)	72531837 (1)
8	FITTING	72533564 (1)	72533564 (1)	72533564 (1)	72534411 (1)	72534411 (1)
9	HOSEBARB-STRAIGHT	72534571 (1)	72534571 (1)	72534571 (1)	72531552 (1)	72531552 (1)
10	CLAMP-HOSE	72661642 (2)	72661642 (2)	72661642 (2)	72661656 (2)	72661656 (2)
12	ELBOW-CASE DRAIN			72534410 (1)		72534410 (1)
CA	COMP AIR FITTING			72053458 (1)		72053458 (1)
CA	COMP AIR FITTING			72053556 (1)		72053556 (1)
CA	COMP AIR FITTING		72531547 (1)		72531547 (1)	
CH	COMP HYD FITTING		72534435 (1)		72534435 (1)	
CH	COMP HYD FITTING		72053766 (1)		72053766 (1)	

CHART B – PRESSURE & RETURN HOSES BY BODY LENGTH				
	11' BODY	11' BODY WITH WELDER DECK	13' & 14' BODY	13' & 14' BODY WITH WELDER DECK
H -- CRANE PRESSURE HOSE	51396239	51396721	51396721	51396722
J -- CRANE RETURN TO TANK HOSE	51396643	51396831	51396831	51396831

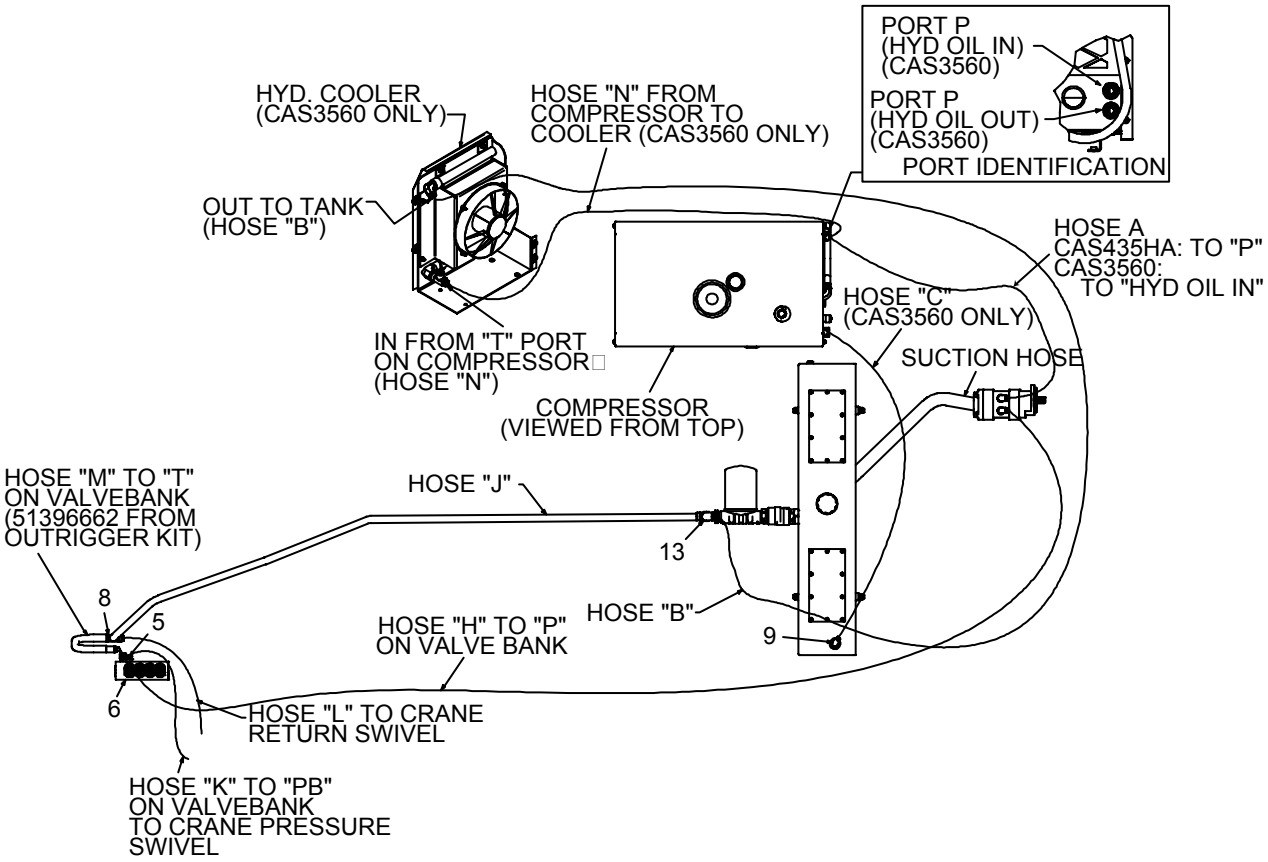
NOTE: QUANTITY SHOWN IN PARENTHESES (). NOT ALL BODY SIZES ARE AVAILABLE FOR ALL MODELS. CHECK THE MODEL SPECIFICATIONS FOR THE APPROPRIATE SIZES.

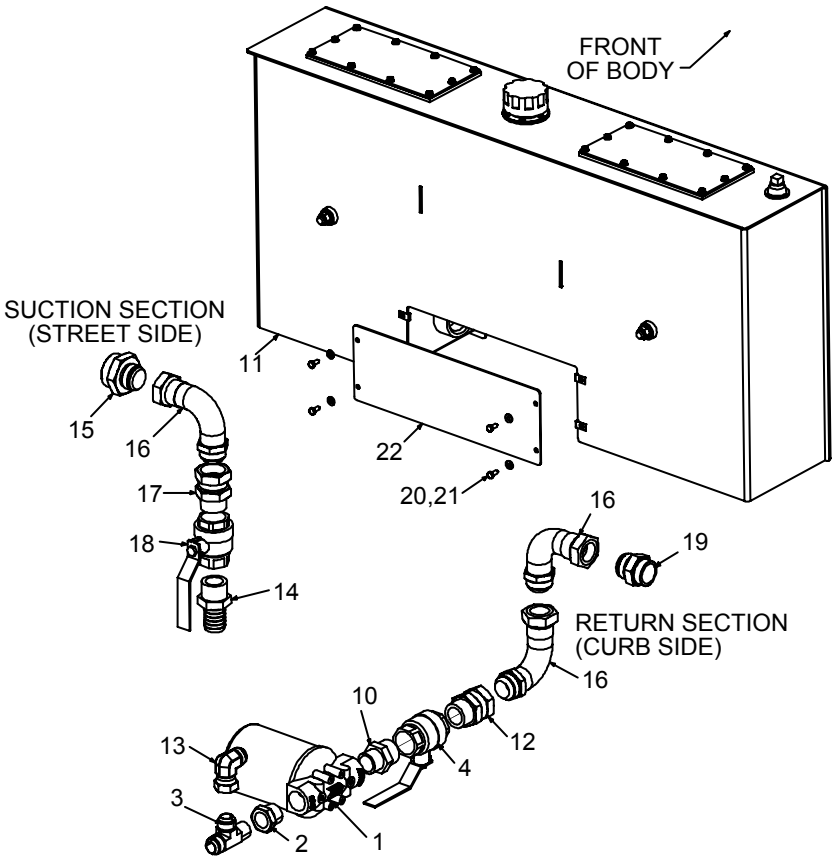
Hydraulic Reservoir (51721745) (Eff. 12-15-08)



51721745 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73052138	SIGHT GAUGE- 1.00 PLUG W/ REFLECTOR	1
2.	73052001	PLUG-PIPE MAGNETIC .75NPT SQHD	1
3.	52721746	WELDMENT, HYD RESERVOIR	1
4.	72531134	ELBOW-STREET STL 1.00 X 90 DEG	1
5.	71412010	FILL-BREATHER BAYONET	1
9.	73052139	DIFFUSER-INTERNAL 55 GPM 3.00NPT 2.00NPT	1
10.	73052140	STRAINER-INTERNAL 50 GPM 3.00NPT 2.00NPT	1
11.	72053579	REDUCER BUSH-BLK 2.00-1.25	1
13.	72053211	NIPPLE-PIPE BLK 1.25X CLOSE	1
14.	72534398	REDUCER BUSH-STL 2.00-1.50	1
15.	72531135	ELBOW-STREET STL 1.25 X 90 DEG	1
16.	72053415	PLUG-PIPE SQ HD STL .75	1
REV. B 20081215			

Hydraulic Installation (99903766) (Thru 12-15-08)





NOTES:

1 ITEMS 23, 24 ARE REQUIRED FOR 1-1/4" SUCTION LINE.

HOSE IDENTIFICATION CHART	
A	COMPRESSOR PRESSURE
B	COMPRESSOR TANK
C	COMPRESSOR CASE DRAIN
F	STRAINER TO PUMP
G	STRAINER TO PUMP
H	CRANE PRESSURE
J	CRANE RETURN TO TANK
K	CRANE PRESSURE EXT
L	CRANE TANK EXT
M	OUTRIGGER VALVEBANK RETURN (FROM OUTRIGGER KIT)
N	COOLER INLET

CHART B: CRANE PRESSURE & RETURN TO TANK HOSES						
	9' BODY	9' WITH WELDER DECK	11' BODY	11' WITH WELDER DECK	13' & 14' BODY	13' & 14' WITH WELDER DECK
H	51395711	51394421	51396239	51396721	51396721	51396722
J	51396830	51396830	51396643	51396643	51396831	51396831

99903766 PARTS LIST (THRU 12-15-08)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73052091	FILTER-HYD RET 10MIC 1.25 NPTF	1
2.	72531837	REDUCER BUSH-STL 1.25-1.00	1
3.	72534411	TEE-MALE RUN 1 MPT X 1 JIC	1
4.	73054379	VALVE-BALL 1.50	2
5.	72532358	ADPTR-M STR/M JIC 8 8	3
6.	73734229	VALVE BANK, 3-SECTION (HYD OUT/HYD DOWN) (WAS 73733953)	1
7.	73734228	VALVE BANK, 2-SECTION (MAN OUT/HYD DOWN) (WAS 73733958)	1
8.	72532695	TEE-MALE JIC 1.06-12 .75 TUBE	1
9.	72534410	ELBOW-MPT/90/M JIC .75 6	1
10.	72534438	ADPTR-MPT/HEX/MPT 1.50 1.25	1
11.	51719773	D(II)- RESERVOIR ASM D1 30 GAL	1
12.	72534456	ADPTR-M STR/F JIC SWL 24 24	1
13.	72532971	ELBOW-M JIC/90/F JIC SW 16 16	1
14.	72531552	NIPPLE-BARB STL 1.50MPT 1.50	1
15.	72534455	ADPTR-M STR/M JIC 32 24	1
16.	72534457	ELBOW-M JIC/90/F SW 24 24 TUBE	3
17.	72534456	ADPTR-M NPT/F JIC SW 1.50 24	1
18.	73054379	VALVE-BALL 1.50	1
19.	72534454	ADPTR-M STR/M JIC 24 24	1
20.	72060001	CAP SCR .25-20X .62 HH GR5 Z	4
21.	72063001	WASHER .25 W FLAT ANSI B27.2Z	4
22.	60130206	GUARD-HYD RESERVOIR (WAS 60129218)	1
23.	72531838	REDUCER BUSH-STL 1.50-1.25	A/R
24.	72531551	NIPPLE-BARB STL 1.25MPT 1.50	A/R
REV. E 20081030			

HYDRAULIC INSTALLATION COMPONENTS-UNITS WITH WELDER DECKS (99903766) (THRU 12-15-08)								
	INSTALLATION KIT	93719799	93719800	93719801	93719882	93719802	93719884	93719803
	HOSE KIT	51719789	51719790	51719791	51719883	51719792	51719885	51719793
	APPLICATION	CRANE WITH WELDER DECK	CAS435HA WITH WELDER DECK	CAS3560 WITH WELDER DECK	CR/CAS435 WITH WELDER DECK D1 FORD AUTO	CRANE CAS435HA WITH WELDER DECK	CR/CAS WITH WELDER DECK FORD MANUAL	CRANE CAS3560 WITH WELDER DECK
A	COMP PRESSURE HOSE ASSEMBLY		51396211 (1)	51396651 (1)	51396211 (1)	51396211 (1)	51396651 (1)	51396651 (1)
B	COMP TANK HOSE ASSEMBLY		51397028 (1) (WAS 51396823)	51396752 (1)	51397028 (1) (WAS 51396823)	51397028 (1) (WAS 51396823)	51396752 (1)	51396752 (1)
C	COMP CASE DRAIN HOSE ASSEMBLY			51396994 (1) (WAS 51396845)			51396994 (1) (WAS 51396845)	51396994 (1) (WAS 51396845)
F	STRAINER TO PUMP HOSE	NOT USED (WAS 51396649)	NOT USED (WAS 51396649		NOT USED (WAS 51396649			NOT USED (WAS 51396649
G	STRAINER TO PUMP HOSE			NOT USED (WAS 51396648)		NOT USED (WAS 51396648)	NOT USED (WAS 51396648)	NOT USED (WAS 51396648)
H	CRANE PRESSURE HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)	See chart B (1)	See chart B (1)
J	CRANE RETURN TO TANK HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)	See chart B (1)	See chart B (1)
K	CRANE PRESSURE HOSE ASSEMBLY	51394524 (1)			51394524 (1)	51394524 (1)	51394524 (1)	51394524 (1)
L	CRANE TANK HOSE ASSEMBLY	51396661 (1)			51396661 (1)	51396661 (1)	51396661 (1)	51396661 (1)
N	COOLER INLET HOSE ASSEMBLY			51396747 (1)			51396747 (1)	51396747 (1)
18	REDUCER BUSH	72531838 (1)	72531838 (1)	72531838 (1)				
21	REDUCER BUSH				72531837 (1)	72531837 (1)	72531837 (1)	72531837 (1)
22	FITTING	72533564 (1)	72533564 (1)	72533564 (1)	72534411 (1)	72534411 (1)	72534411 (1)	72534411 (1)
23	SUCTION TEE							
24	ELBOW-RETURN							
25	HOSEBARB-STRAIGHT	72531550 (1)	72531550 (1)	72531550 (1) (WAS 72531552)	72531552 (1) (WAS 72531550)	72531552 (1)	72531552 (1)	72531552 (1) (WAS 72531551)
26	CLAMP 1.50				72661656 (2)	72661656 (2) (WAS 72066517)	72661656 (2) (WAS 72066517)	72661656 (2) (WAS 72066517)
27	HOSEBARB-ELBOW							NOT USED (WAS 72532346)
28	CLAMP 1.25	72661642 (2)	72661642 (2)	72661642 (2)	NOT USED (WAS 72661642)			NOT USED (WAS 72661642)

HYDRAULIC INSTALLATION COMPONENTS-UNITS WITH WELDER DECKS (99903766) (THRU 12-15-08)								
	INSTALLATION KIT	93719799	93719800	93719801	93719882	93719802	93719884	93719803
	HOSE KIT	51719789	51719790	51719791	51719883	51719792	51719885	51719793
29	ELBOW-CASE DRAIN			72534410 (1)			72534410 (1)	72534410 (1)
CA	COMP AIR FITTING		72053725 (1) (WAS 72531547)	72053458 (1)	72053725 (1) (WAS 72531547)	72053725 (1) (WAS 72531547)	72053458 (1)	72053458 (1)
CA	COMP AIR FITTING		72531101(1)	72053556 (1)	72531101 (1)	72531101 (1)	72053556 (1)	72053556 (1)
CA	COMP AIR FITTING		72531547 (1)		72531547 (1)	72531547 (1)		
CH	COMP HYD FITTING		72534435 (1)		72534435 (1)	72534435 (1)		
CH	COMP HYD FITTING		72534371 (1) (WAS 72053766)	72053556 (1)	72534371 (1) (WAS 72053766)	72534371 (1) (WAS 72053766)	72053556 (1)	72053556 (1)
CH	COMP HYD FITTING		72532739 (1)		72532739 (1)	72532739 (1)		
CH	COMP HYD FITTING		72053766 (1)		72053766 (1)	72053766 (1)		
CH	COMP HYD FITTING		72532658 (1)		72532658 (1)	72532658 (1)		

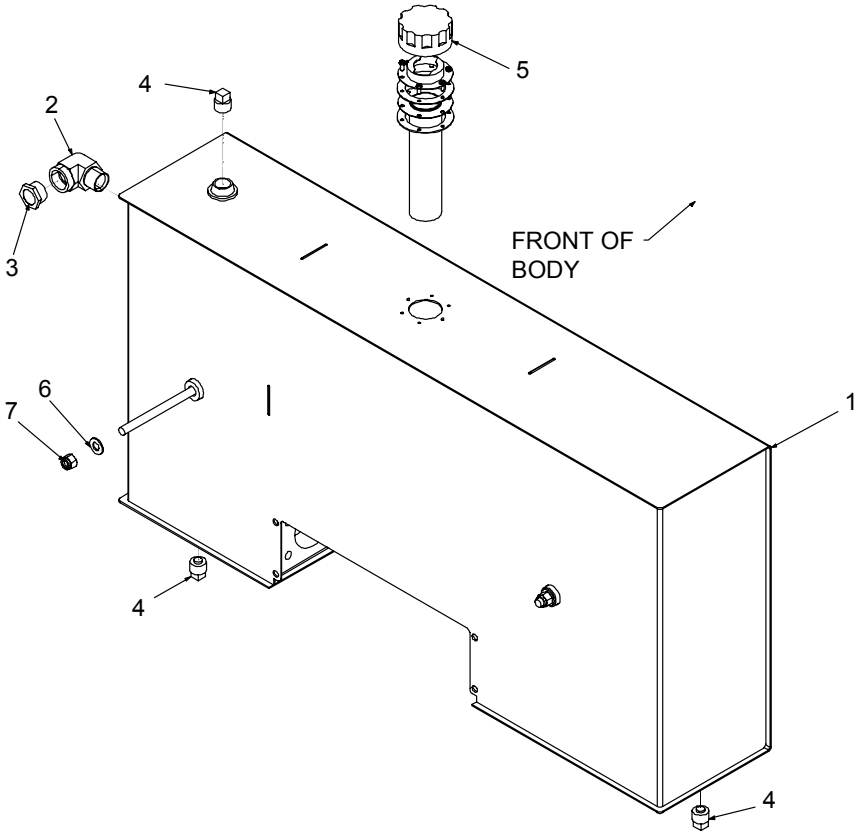
NOTE: QUANTITY SHOWN IN PARENTHESES (). NOT ALL BODY SIZES ARE AVAILABLE FOR ALL MODELS. CHECK THE MODEL SPECIFICATIONS FOR THE APPROPRIATE SIZES.

HYDRAULIC INSTALLATION COMPONENTS-UNITS WITHOUT WELDER DECKS (99903766) (THRU 12-15-08)								
	INSTALLATION KIT	93719794	93719795	93719796	93719878	93719797	93719880	93719798
	HOSE KIT	51719784	51719785	51719786	51719879	51719787	51719881	51719788
	APPLICATION	CRANE WITHOUT WELDER DECK	CAS435HA WITHOUT WELDER DECK	CAS3560 WITHOUT WELDER DECK	CR/CAS435 WITHOUT WELDER DECK D1 FORD AUTO	CRANE CAS435HA WITHOUT WELDER DECK	CR/CAS WITHOUT WELDER DECK FORD MANUAL	CRANE CAS3560 WITHOUT WELDER DECK
A	COMP PRESSURE HOSE ASSEMBLY		51395433 (1)	51396502 (1)	51395433 (1)	51395433 (1)	51396502 (1)	51396502 (1)
B	COMP TANK HOSE ASSEMBLY		51397028 (1) (WAS 51396823)	51396752 (1)	51397028 (1) (WAS 51396823)	51397028 (1) (WAS 51396823)	51396752 (1)	51396752 (1)
C	COMP CASE DRAIN HOSE ASSEMBLY			51396994 (1) (WAS 51396834)			51396994 (1) (WAS 51396834)	51396994 (1) (WAS 51396834)
F	STRAINER TO PUMP HOSE	NOT USED (WAS 60035598)	NOT USED (WAS 60035598)		NOT USED (WAS 60035598)			NOT USED (WAS 60035598)
G	STRAINER TO PUMP HOSE			NOT USED (WAS 51396822)		NOT USED (51396822)	NOT USED 51396822)	NOT USED (51396822)
H	CRANE PRESSURE HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)	See chart B (1)	See chart B (1)

HYDRAULIC INSTALLATION COMPONENTS-UNITS WITHOUT WELDER DECKS (99903766) (THRU 12-15-08)								
	INSTALLATION KIT	93719794	93719795	93719796	93719878	93719797	93719880	93719798
	HOSE KIT	51719784	51719785	51719786	51719879	51719787	51719881	51719788
J	CRANE RETURN TO TANK HOSE ASSEMBLY	See chart B (1)			See chart B (1)	See chart B (1)	See chart B (1)	See chart B (1)
K	CRANE PRESSURE HOSE ASSEMBLY	51394524 (1)			51394524 (1)	51394524 (1)	51394524 (1)	51394524 (1)
L	CRANE TANK HOSE ASSEMBLY	51396661 (1)			51396661 (1)	51396661 (1)	51396661 (1)	51396661 (1)
N	COOLER INLET HOSE ASSEMBLY			51396747 (1)			51396747 (1)	51396747 (1)
18	REDUCER BUSH	72531838 (1)	72531838 (1)	72531838 (1)				
21	REDUCER BUSH				72531837 (1)	72531837 (1)	72531837 (1)	72531837 (1)
22	FITTING	72533564 (1)	72533564 (1)	72533564 (1)	72534411 (1)	72534411 (1)	72534411 (1)	72534411 (1)
23	SUCTION TEE							
24	ELBOW-RETURN				72532971 (1)			
25	HOSEBARB-STRAIGHT	72531550 (1)	72531550 (1)	72531550 (1) (WAS 72531552)	72531552 (1) (WAS 72531550)	72531552 (1)	72531552 (1)	72531552 (1) (WAS 72531551)
26	CLAMP 1.50				72661656 (2) (WAS 72066517)	72661656 (2) (WAS 72066517)	72661656 (2) (WAS 72066517)	72661656 (2) (WAS 72066517)
27	HOSEBARB-ELBOW							
28	CLAMP 1.25	72661642 (2)	72661642 (2)	72661642 (2)				
29	ELBOW-CASE DRAIN			72534410 (1)			72534410 (1)	72534410 (1)
CA	COMP AIR FITTING		72533725 (1) (WAS 72051547)	72053458 (1)	72533725 (1) (WAS 72051547)	72533725 (1) (WAS 72051547)	72053458 (1)	72053458 (1)
CA	COMP AIR FITTING		72531101(1)	72053556 (1)	72531101(1)	72531101 (1)	72053556 (1)	72053556 (1)
CA	COMP AIR FITTING		72531547(1)		72531547(1)	72531547 (1)		
CH	COMP HYD FITTING		72534435 (1)		72534435 (1)	72534435 (1)		
CH	COMP HYD FITTING		72534371 (1)	72053556 (1)	72534371(1)	72534371 (1)	72053556 (1)	72053556 (1)
CH	COMP HYD FITTING		72532739 (1)		72532739(1)	72532739 (1)		
CH	COMP HYD FITTING		72053766 (1)		72053766(1)	72053766 (1)		
CH	COMP HYD FITTING		72532658 (1)		72532658(1)	72532658 (1)		

NOTE: QUANTITY SHOWN IN PARENTHESES (). NOT ALL BODY SIZES ARE AVAILABLE FOR ALL MODELS. CHECK THE MODEL SPECIFICATIONS FOR APPROPRIATE SIZES.
(REV. E 20081030)

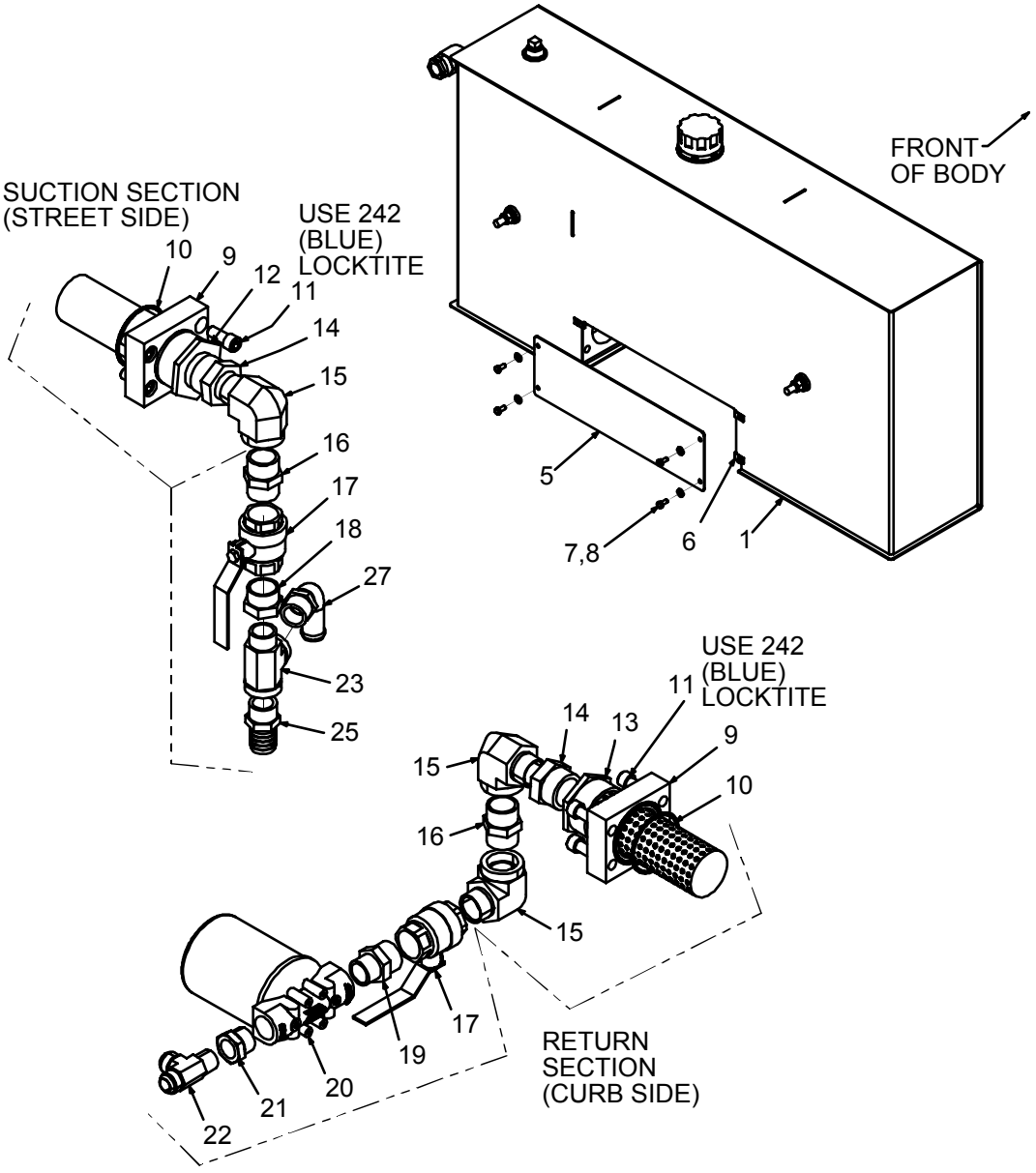
Hydraulic Reservoir (51719773) (Thru 12-15-08)



51719773 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52719770	WELDMENT, HYD RESERVOIR	1
2.	72531134	ELBOW-STREET STL 1.00 X 90 DEG	1
3.	73052138	SIGHT GAUGE- 1.00 PLUG W/REFLCT	1
4.	73052001	PLUG-PIPE MAGNETIC .75NPT SQHD	3
5.	71412010	FILL-BREATHER BAYONET	1
6.	72063005	WASHER .50 FLAT	4
7.	72062080	NUT .50-13 HEX NYLOCK	4
8.	60129786	ROD-THREADED .50-13 X 11.50 (WAS 60120858)	2
9.	70394189	DECAL-MOBILOIL RESERVOIR (NOT SHOWN)	1
REV. E 20070525			

NOTE: IF RESERVOIR IS NOT REQUIRED, USE COVER KIT 51720648 TO COVER OPENINGS IN FLOOR.

Reference, Hyd. Reservoir Plumbing (99903766) (Thru 2006)



SUCTION ASSEMBLY NOTES:

1 SUB-ASSEMBLE FITTINGS 10-15 (GROUP 1) AND FITTINGS 16-27 (GROUP 2).

2 INSTALL GROUP 1 INTO RESERVOIR.

3 ASSEMBLY GROUP 2 ONTO GROUP 1.

RETURN ASSEMBLY NOTES:

1 SUB-ASSEMBLE GROUPS, DIVIDED AS SHOWN.

2 ASSEMBLE GROUPS TOGETHER.

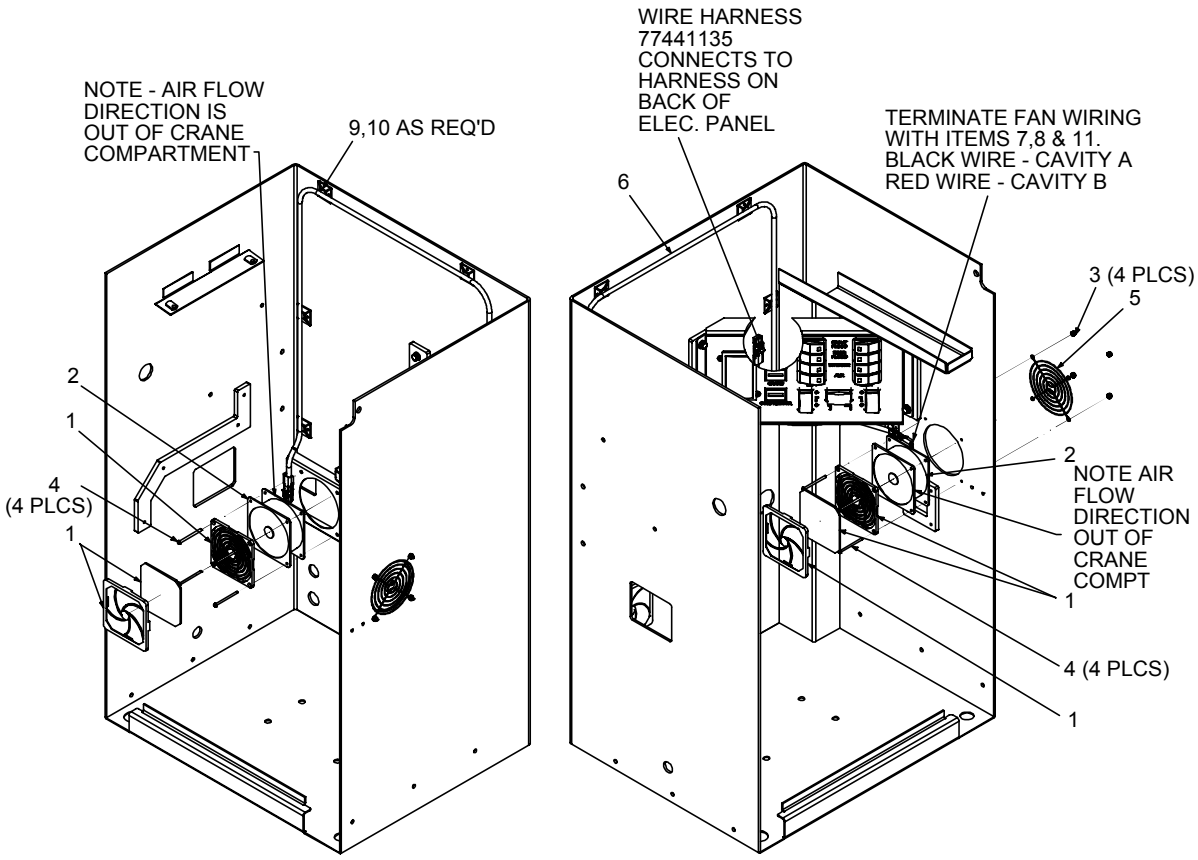
3 INSTALL ASSEMBLY ONTO RESERVOIR.

NOTES:

1 ITEMS #23, 27 NOT USED ON SINGLE INLET PUMPS.

REFERENCE, HYD. RESERVOIR PLUMBING (99903766) (Thru 2006)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51719773	RESERVOIR ASSEMBLY	1
5.	60129218	GUARD-HYD RESERVOIR	1
6.	72062301	NUT-TINNERMAN 1/4-20UNC	4
7.	72063001	WASHER .25 FLAT	4
8.	72060001	CAP SCR .25-20X .62 HH GR5 Z	4
9.	60129212	BLOCK - HYD RESERVOIR NPT ALUMINUM	2
10.	7Q072239	O RING 3.62X 3.88X .12 70	2
11.	72060812	CAP SCR .62-11X 1.50 SH PLAIN	8
12.	73052140	STRAINER-INTERNAL 50 GPM 3.00NPT 2.00NPT	1
13.	73052139	DIFFUSER-INTERNAL 55 GPM 3.00NPT 2.00NPT	1
14.	72053379	REDUCER BUSH-BLK 2.00-1.50	2
15.	72534434	ELBOW-STREET STL 1.50 X 90 DEG	3
16.	72533661	ADPTR-MPT/HEX/MPT 1.50 1.50	2
17.	73054379	VALVE-BALL 1.50	2
18.	72531838	REDUCER BUSH-STL 1.50-1.25 (AS REQUIRED)	1
19.	72534438	ADPTR-MPT/HEX/MPT 1.50 1.25	1
20.	73052091	FILTER-HYD RET 10MIC 1.25 NPTF	1
21.	72531837	REDUCER BUSH-STL 1.25-1.00 (AS REQUIRED)	1
22.	72533564	ADPTR-MPT/M JIC 1.25 16 (AS REQUIRED)	1
22.	72534411	TEE-MALE RUN 1 MPT X 1 JIC (AS REQUIRED)	1
23.	72531994	TEE-STREET STL 1.25 (AS REQUIRED)	1
25.	SEE CHART	HOSEBARB-STRAIGHT (AS REQUIRED)	1
26.	72066517	CLAMP-HOSE 1.50 2-BOLT (AS REQUIRED)	2
27.	SEE CHART	HOSEBARB-ELBOW (AS REQUIRED)	1
NOTE: ITEM #20 (FILTER) CAN BE PURCHASED SEPARATELY FROM IMT. ITEMS #18 AND 21-32 ARE INCLUDED WITH OPTIONAL INSTALLATION KITS.			
REV B 20060405			

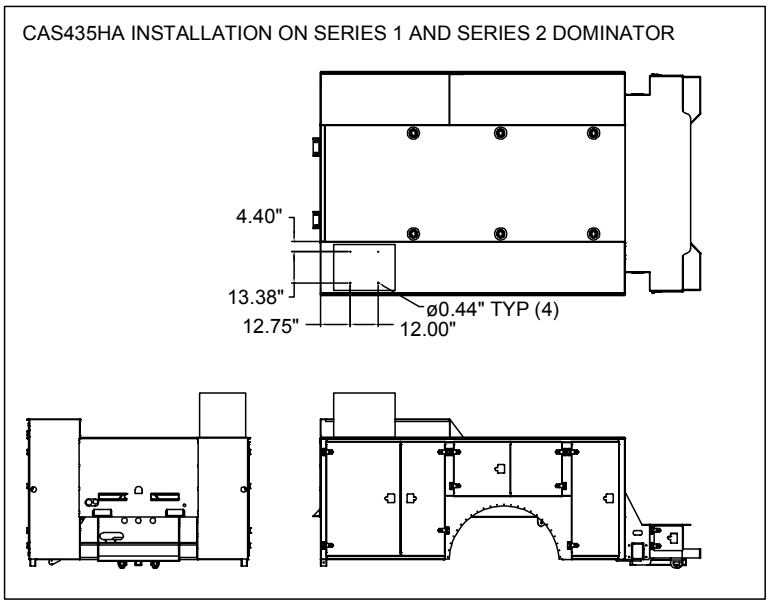
Installation Kit, Compartment Pressure Fan Option (99903801)

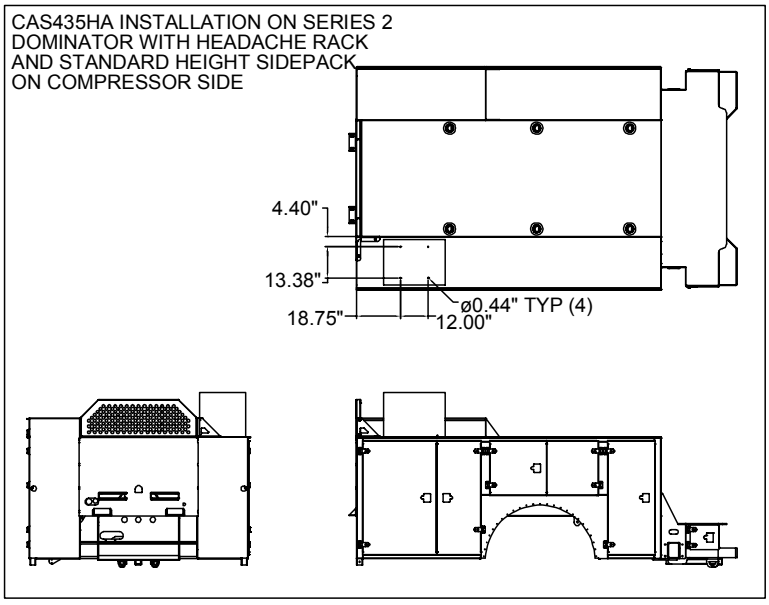

NOTE - AIR FLOW DIRECTION IS OUT OF CRANE COMPARTMENT
9,10 AS REQ'D
WIRE HARNESS 77441135 CONNECTS TO HARNESS ON BACK OF ELEC. PANEL
TERMINATE FAN WIRING WITH ITEMS 7,8 & 11. BLACK WIRE - CAVITY A RED WIRE - CAVITY B
6
3 (4 PLCS)
5
2
1
4 (4 PLCS)
1
2
NOTE AIR FLOW DIRECTION OUT OF CRANE COMPT
1
4 (4 PLCS)
1

99903801 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70144323	GUARD-FILTER 12V FAN	2
2.	77042080	FAN-12V AXIAL	2
3.	72062207	NUT 8-32 HEX NYLOCK	4
4.	72601676	SCR-MACH # 8-32X 2.50 RDH	8
5.	70144322	GUARD-CHROME WIRE 12V FAN	1
6.	77441135	HARNESS-COMPARTMENT FAN	1
7.	77044552	TERM-PKRD WPK 18-20GA MALE	4
8.	77044573	CONN-PKRD WP 2 CAV MALE/SHROUD	2
9.	77045927	RETAINER-ZIP TIE ELEC HARNESS	6
10.	70034060	TIES-PLASTIC .18W 8.00L BLACK	6
11.	70394069	SEAL-PKRD WP/MP 16 GA GREEN	4
NEW 20051207			

Compressor Mounting Locations (99903712)

CAS435HA Compressor Mounting Locations

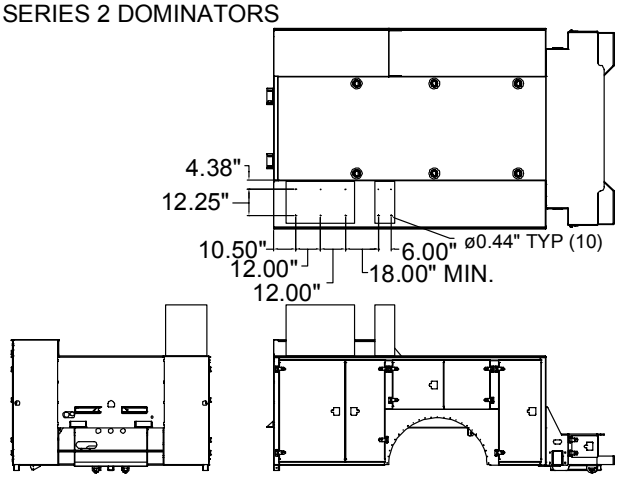




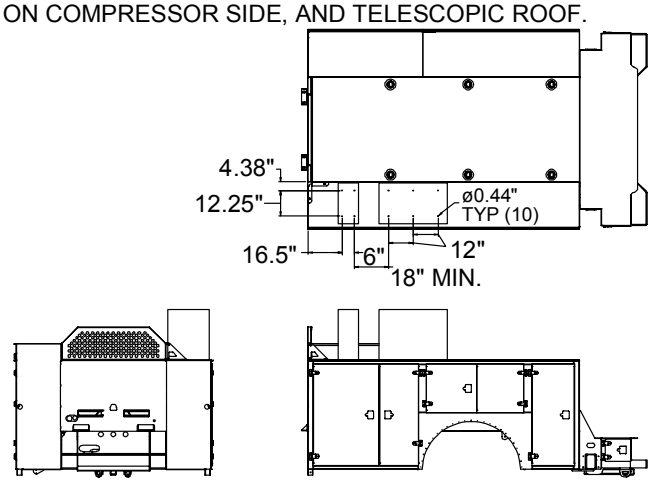
NOTE:
When installing a compressor, maintain a minimum clearance of 8" on each end of the compressor. If installing a compressor with a hydraulic aftercooler, maintain a minimum space of 10" between the compressor and aftercooler, while still maintaining the 8" of clearance on each end of the compressor-cooler combination.

CAS2545 & CAS3560 Compressor Mounting Locations

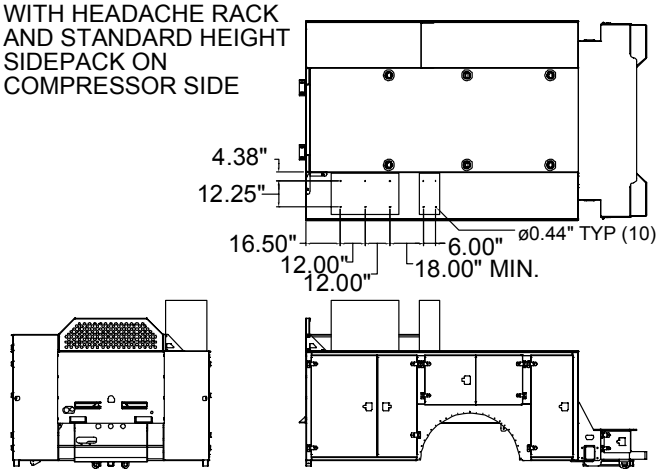
CAS3560 & CAS2545 INSTALLATION ON SERIES 1 AND SERIES 2 DOMINATORS



CAS3560 & CAS2545 INSTALLATION ON SERIES 2 DOM WITH HEADACHE RACK, STANDARD HEIGHT SIDEPACK ON COMPRESSOR SIDE, AND TELESCOPIC ROOF.

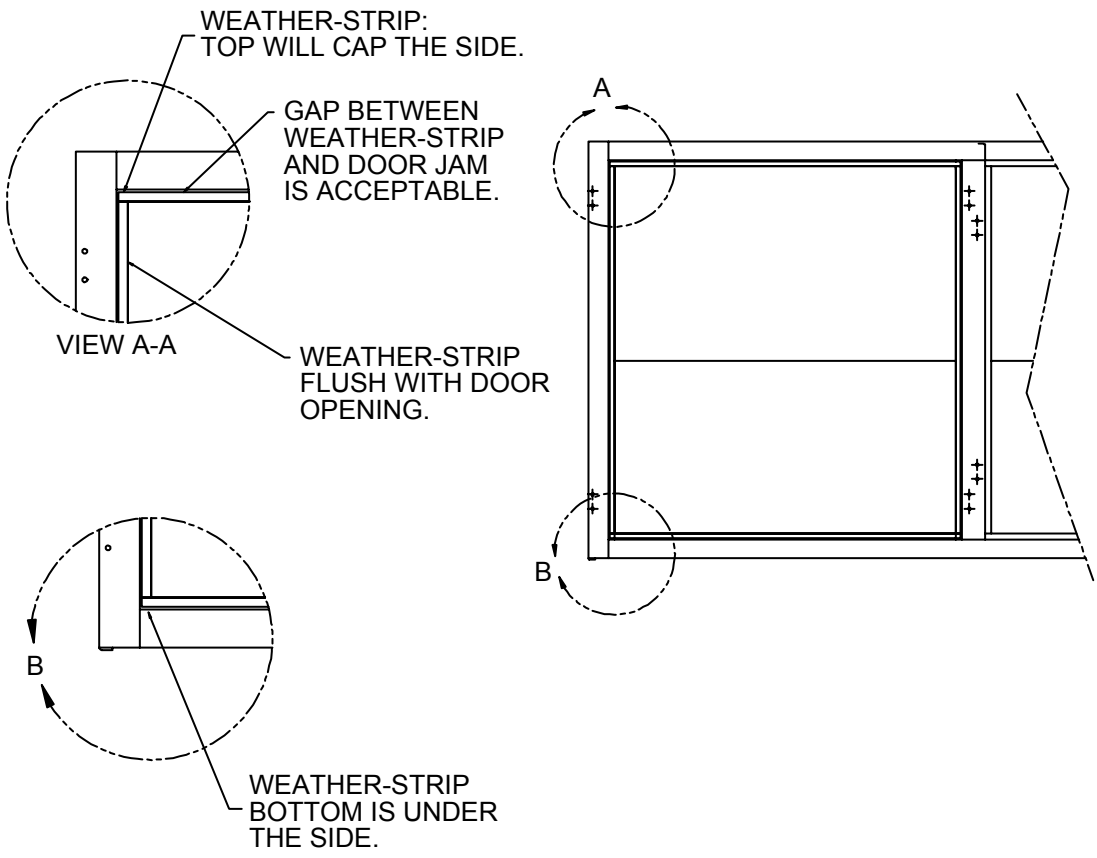


CAS3560 & CAS2545 INSTALLATION ON SERIES 2 DOM WITH HEADACHE RACK AND STANDARD HEIGHT SIDEPACK ON COMPRESSOR SIDE

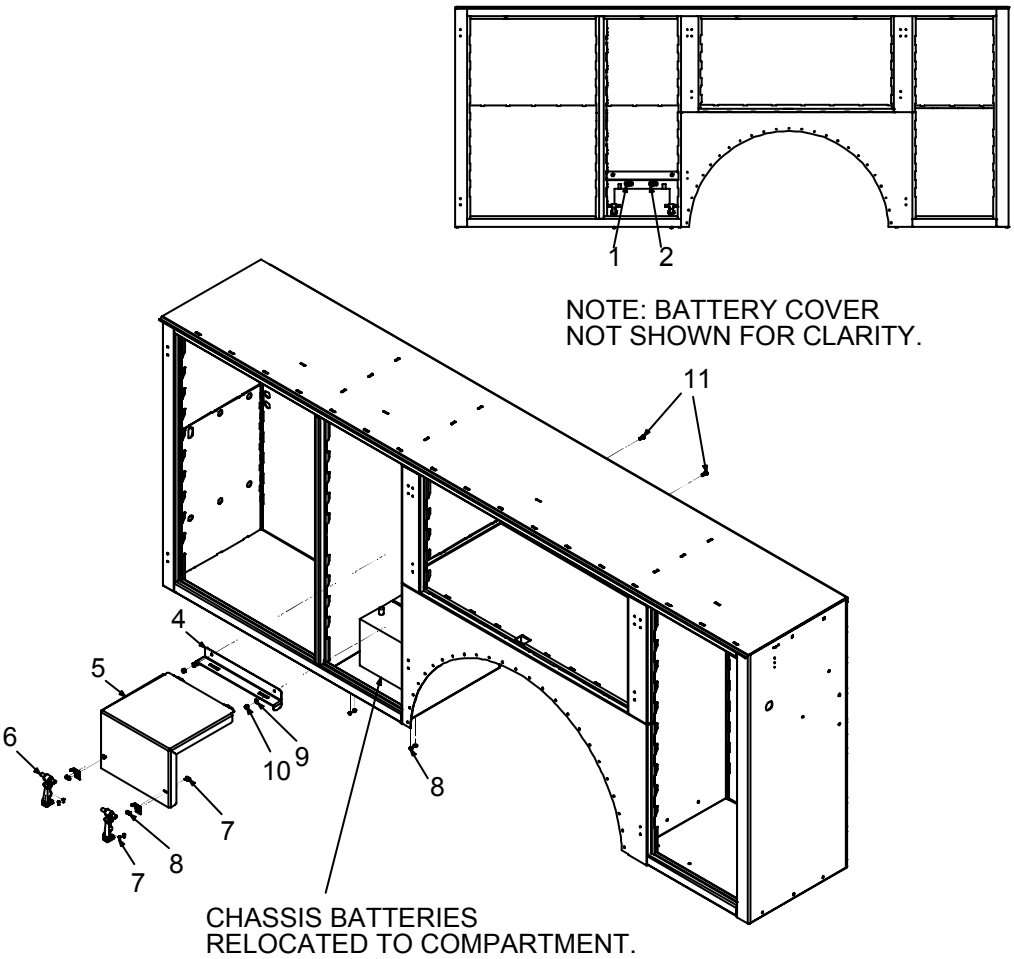


NOTE:
When installing a compressor, maintain a minimum clearance of 8" on each end of the compressor. If installing a compressor with a hydraulic aftercooler, maintain a minimum space of 10" between the compressor and aftercooler, while still maintaining the 8" of clearance on each end of the compressor-cooler combination.

Weather-Strip Installation (99904256)



Battery Cover Installation (99904452)



99904452 PARTS LIST				
ITEM	PART #	DESCRIPTION	KIT #	QUANTITY
1.	77041733	STUD-ELEC PASS THROUGH .38 RED		REF
2.	77041774	STUD-ELEC PASS THROUGH .38 BLK		REF
3.	51721742	HARDWARE KIT-BATTERY COVER		1
4.	60133203	BRACKET-BATTERY COVER MOUNT		1
5.	60133202	COVER-BATTERY DOM COMPARTMENT		1
6.	70039108	LATCH-RUBBER T-HANDLE	#3	2
7.	72601940	CAP SCR .10-24X .50 BTNHD ZC	#3	8
8.	72062106	NUT 10-24 HEX NYLOCK	#3	8
9.	72063002	WASHER .31 FLAT	#3	2
10.	72062109	NUT .31-18 HEX NYLOCK	#3	2
11.	72060023	CAP SCR .31-18X .75 HH GR5 Z	#3	2
REV. A 20080904				

Electric Crane Installation (2003i, 3203i, 4004i, 5005i, 6006i) (99904394)

Install the IMT 2003i, 3203i, 4004i, 5005i, and 6006i model cranes using the instructions in 99904394. In addition to meeting the minimum chassis specifications noted in the Technical Data section of this manual, make sure there is sufficient room for mounting the crane and the platform is strong enough to support the crane and rated load. Install the crane only on an IMT designed and approved truck body. The body must be designed to sustain the forces imposed by the crane when lifting the full rated load. Install the body on the chassis before installing the crane. Refer to the following table for parts referenced in the following crane installation drawings.

CRANE INSTALLATION PARTS LIST				
ITEM	PART #	DESCRIPTION	KIT #	QUANTITY
1.	51721572	ELECTRIC CRANE BODY INSTALLATION		1
2.	91721647	HARDWARE KIT- 3203i/4004i ELEC CRANE BODY INSTALLATION		1
3.	91721751	HARDWARE KIT- 5005i ELEC CRANE BODY INSTALLATION		1
4.	99904317	DRAWING-CRANE & WINCH ASSEMBLY 3203I		REF
5.	Body	IMT BODY ASSEMBLY		REF
6.	60251272	BRACKET-SWITCH 300 AMP ELEC CRANE		1
7.	70734331	SWITCH-300A KEYED BATTERY DISCONNECT	#1	1
8.	72042097	LEVEL INDICATOR LEVEL	#1	1
9.	77040209	TERMINAL-RING NI .38 STUD 1 WIRE	#1	1
10.	77040529	TERMINAL-RING NI .31 STUD 1-2 WIRE	#1	3
11.	77441116	FUSEHOLDER-HIGH AMP2 BOLT WITH COVER	#1	1
12.	77441219	FUSE-225 AMP	#1	1
13.	89044276	CABLE-#1 WELDING	#1	35 FT
14.	89392333	TUBE-HEAT SHRINK AMP	#1	.50 FT
15.	72060208	CAP SCREW .75-10X 2.50 HH GR8 Z	#2	4
15.	72601621	CAP SCREW 1.00 - 8 X 3.00 HHGR8Z	#3	4
16.	72062299	NUT .75-10 HEX CENTER LOCKING	#2	4
16.	72062268	NUT 1.0 - 8 HEX CENTER LOCK	#3	4
17.	72063116	WASHER .75 N FLAT H ASTMF436Z	#2	8
17.	72063066	WASHER 1.0 FLAT HI STR	#3	8
18.	72060002	CAP SCREW .25-20X .75 HH GR5 Z	#2 & #3	4
19.	72060634	SCREW-MACHINERY #10-24X .50 RDH	#2 & #3	4
20.	72062000	NUT .25-20 HEX	#2 & #3	4
21.	72062106	NUT 10-24 HEX NYLOCK	#2 & #3	4
22.	72063001	WASHER .25 FLAT	#2 & #3	8
REV. 20100615				

To install the crane:

1 Use a lifting device capable of lifting the weight of the crane as indicated in the Technical Data section of this manual. Attach fabric slings to the crane lower boom, centered approximately 18 inches (46 cm) from the mast hinge. Make certain the crane is well balanced on the slings by slowly lifting approximately 6" (15 cm) off the ground. Lift the crane and apply a bead of waterproof compound, such as silicon based caulk, to the bottom of the base. Move the chassis under the crane and lower the crane into the desired position.

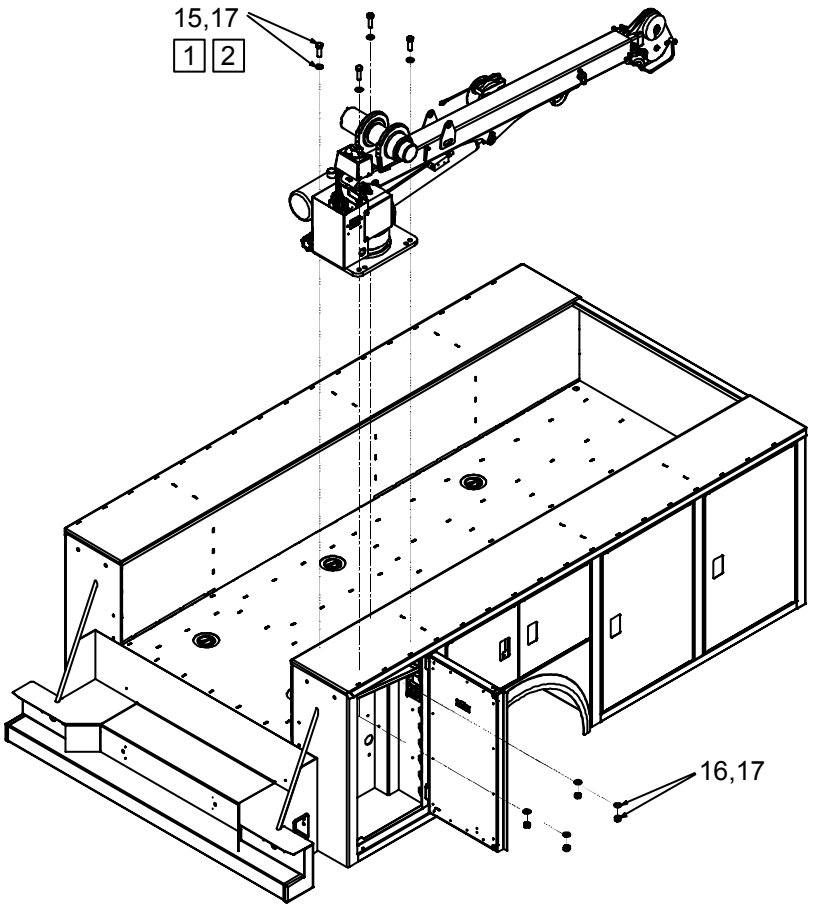
Install the mounting cap screws (item # 15) and washers (item #16) to secure the crane base to the truck body (see figure). Torque the 3/4" cap screws (used on models 3203i and 4004i) to 280 ft-lb and torque to 1" cap screws (used on models 5005i and 6006i) to 680 ft-lb.

NOTE:

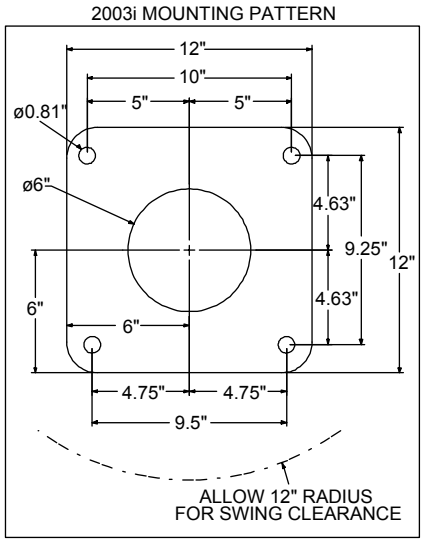
The 3/4-10 x 2.5" grade 8 zinc coated capscrews (models 3203i and 4004i) are designed for a crane box thickness of 1/2" only.

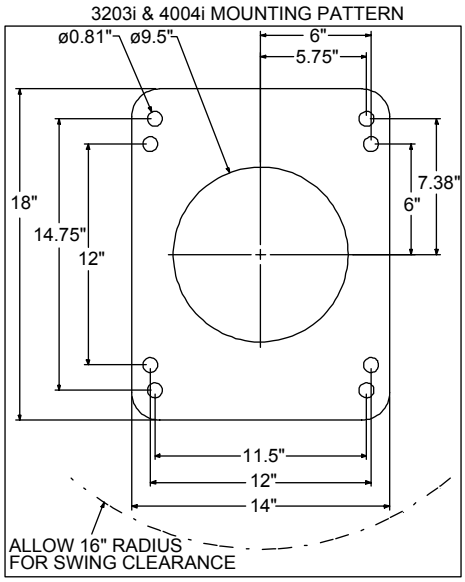
The 1-8 x 3" grade 8 zinc coated capscrews (model 5005i and 6006i) are designed for a crane box top thickness of 7/8" to 1" only.

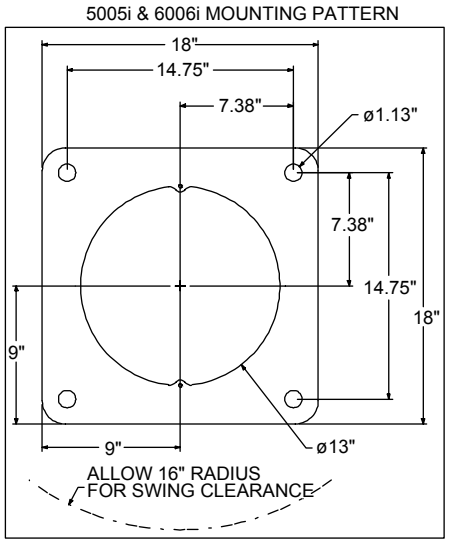
A different crane box may require different capscrews. If different length bolts are required, they must be the same size and of sufficient length. Failure to use proper length bolts may cause the bolts to bottom out before torquing.



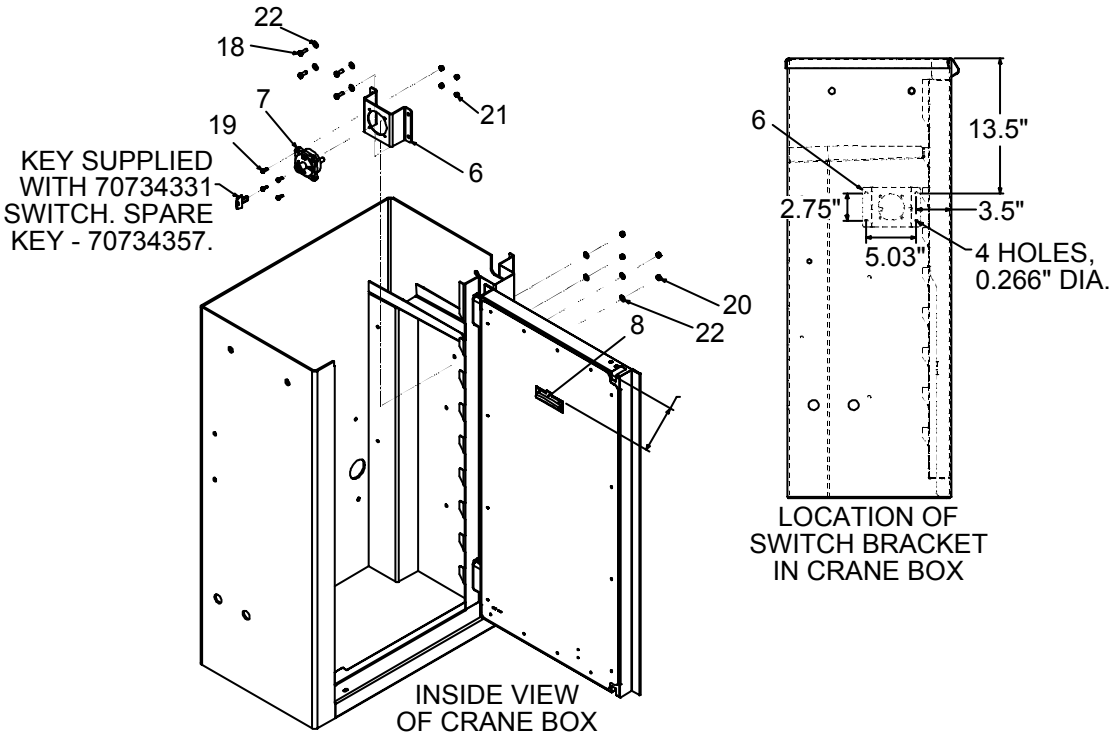
MOUNTING PATTERNS







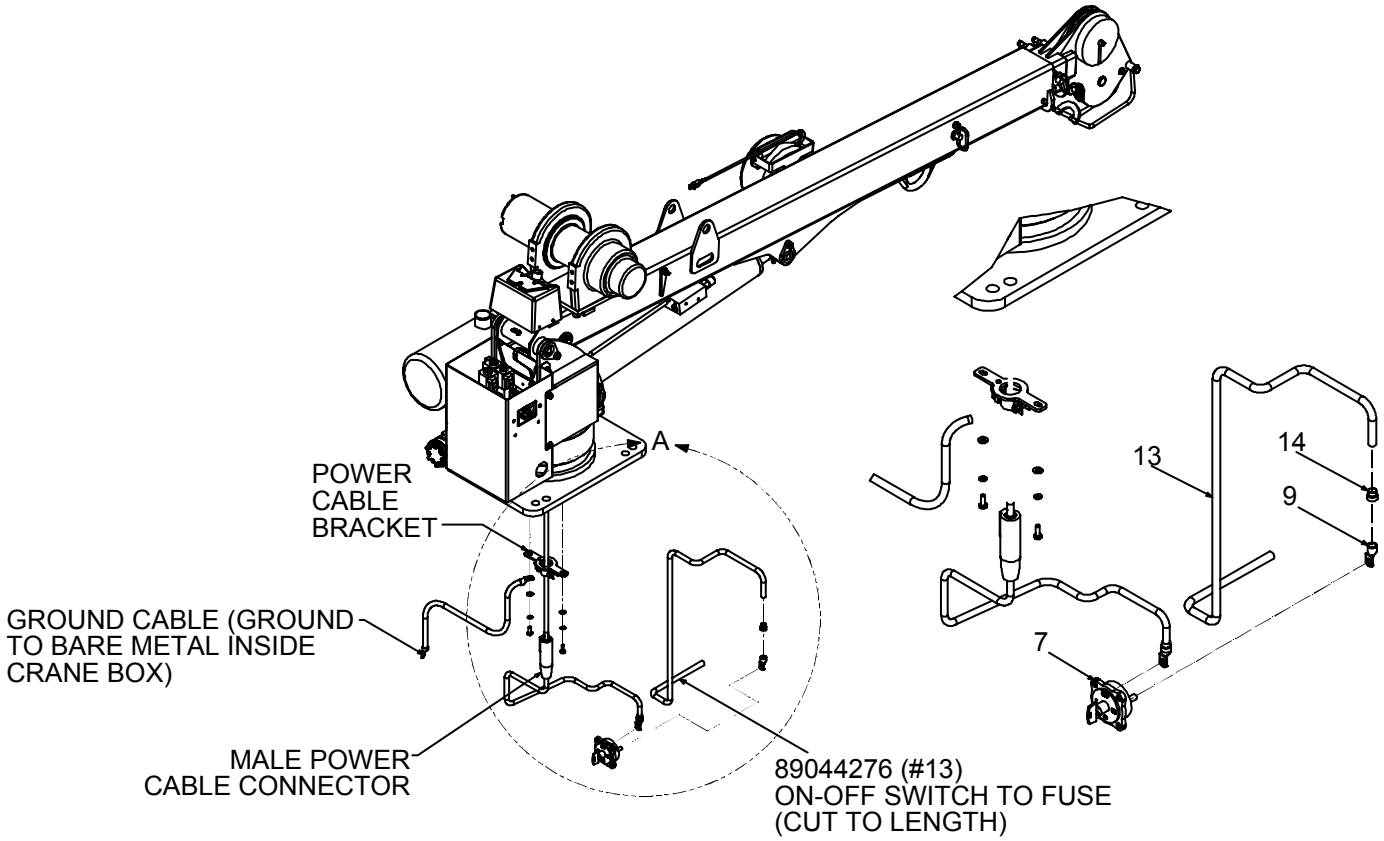
2 The electrical power switch (item #7) provides power for the crane. Install the switch onto the power unit cover.



3 Install the vehicle level indicator (item #8) parallel to the door reinforcements.

4 After mounting your crane, wire the crane to the vehicle's 12VDC electrical system using the following steps. Use the parts list above to identify parts. Your crane installation kit, 51721572, includes a 10.7 m (35') long cable, IMT # 89044276 (item #13 in the parts list). Use this cable to ground the auxiliary battery, the underhood battery, and to connect the batteries to the fuses and the fuses to the the crane on-off switch. Cut the cable to length after determining the lengths required.

5 Ground the crane by connecting the crane ground cable to bare metal inside the crane box.



6 Connect the crane power cable from the male power cable connector to the on-off power switch. Connect cable (item #13 - 89044276), cut to length, from the crane power switch (item #7) to an electrical bulkhead connector, which will be connected to the fuses in step #8. Use 3/8" (0.95 cm) ring terminals (item #9 - 77040209) for each connection. Heat shrink the connections (item #14 - 89392333).

WARNING

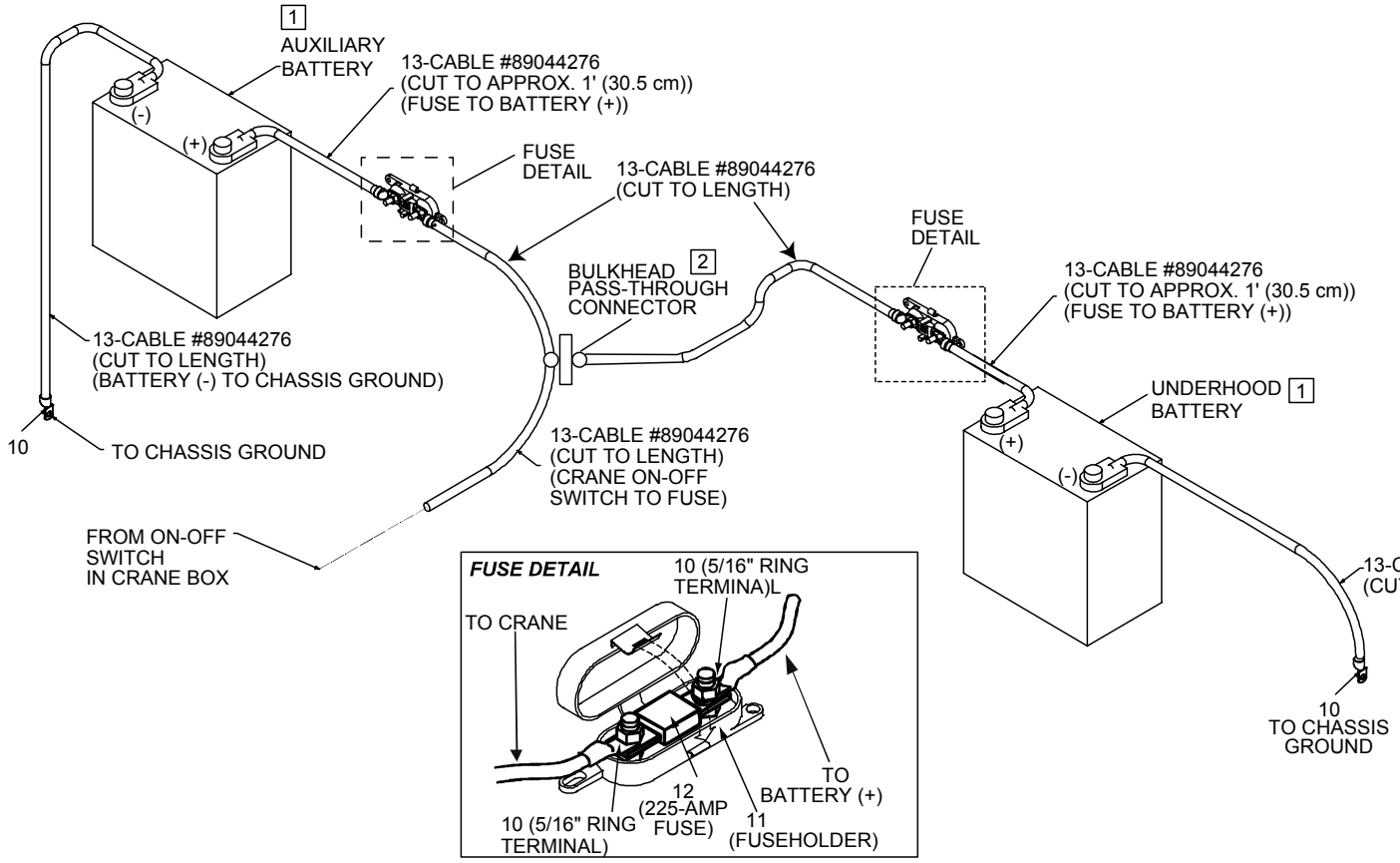
Protect the power cable from damage by fastening it inside the frame channel and covering it with protective covering including loom, conduit, etc. Be sure to use rubber grommets or other protection when running the power cable through steel bulkheads.

7 Use approximately 4' (1.2 m) of the cable (item #13) to ground both the vehicle battery and auxiliary battery. Connect one end of the ground cable to the negative terminal on the battery, and the other end to bare metal on the truck body. Use a 5/16" (0.79 cm) ring terminal (item #10 - 77040529) to connect to the truck body.

WARNING

Install the ground cable to the negative terminal of the batteries! The crane electrical ground completes the electrical circuit through the structure of the crane to the vehicle frame. The vehicle factory ground is NOT sufficient to carry the current required by the crane. Without this extra ground cable, your crane may not operate at rated capacity, and motor, contactor, or electrical damage may occur.

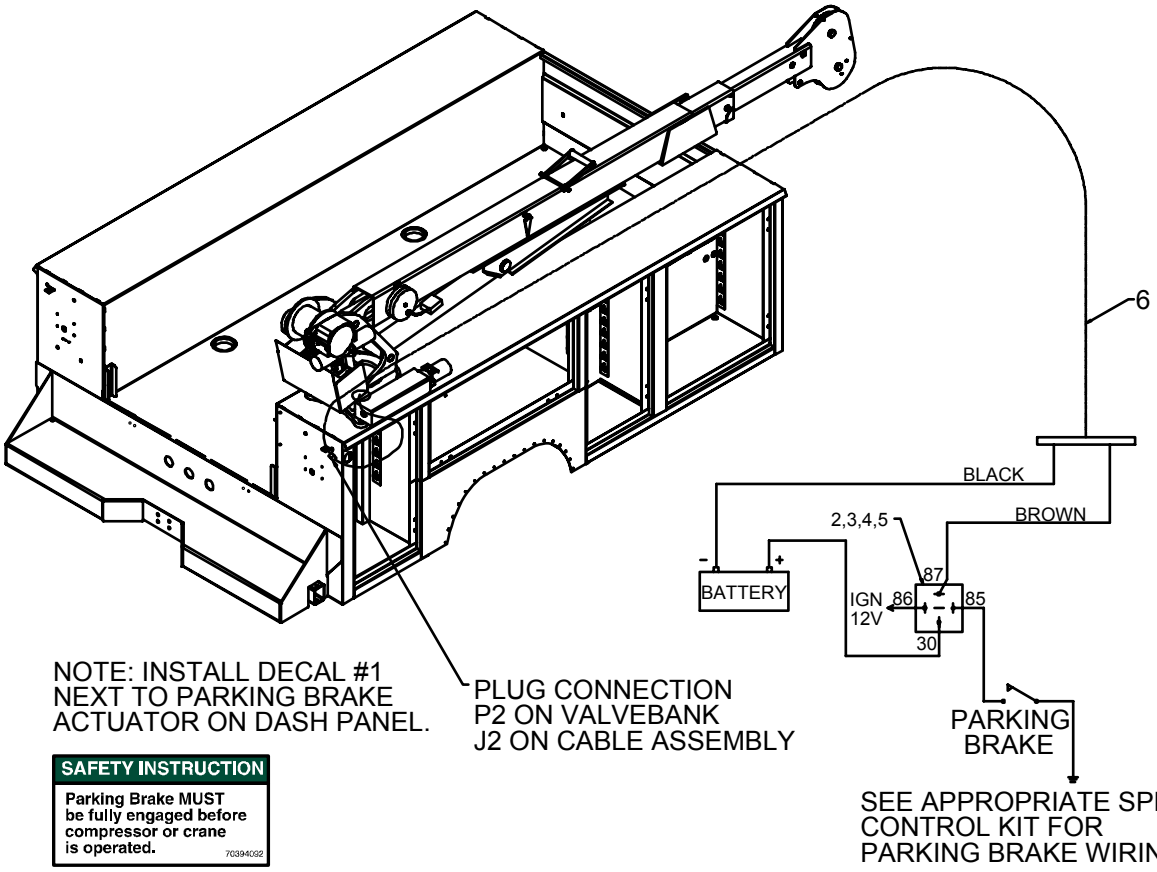
8 Mount one 225-amp fuse holder (item #11) close to the vehicle battery in a location which can be easily accessed if the fuse needs to be replaced. Repeat with the auxiliary battery. Use approximately one foot (30.5 cm) of cable (item #13) to connect the positive terminals on the vehicle batteries to the fuse holders. Connect the other end of each fuse holder to the bulkhead pass-through connector from step #6, which is then connected to the crane power switch. Cables connect to the fuse holders using 5/16" (0.79 cm) ring terminals (item #10 - 77040529). Heat shrink connections.



NOTES:

1. Use the highest rating cold-cranking amp battery available up to 1,000 CCA. Underhood and auxiliary batteries must be identical.
2. Use bulkhead pass-through connectors when power or ground passes through a compartment wall.
3. Reference drawing 99904884 for wiring diagram.

Electrical Installation (1015E & 2020E) (99903519)



NOTE:

1 WIRES IN HARNESS ARE 14GA, 19/27 STRANDS, AND MUST MEET FORD SPECIFICATION MIL-85B OR CHRYSLER SPECIFICATION MS-8900.

99903519 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70394092	DECAL-CAUTION BRAKE/COMP	1
2.	72050005	CAP SCR 1/4-20X1.25 HHGR5	1
3.	72062104	NUT 1/4-20 HEX NYLOC ZINC	1
4.	72063001	WASHER 1/4-FLAT	1
5.	77041251	RELAY	1
6.	77441074	HARNESS	1
REV. B 20070524			

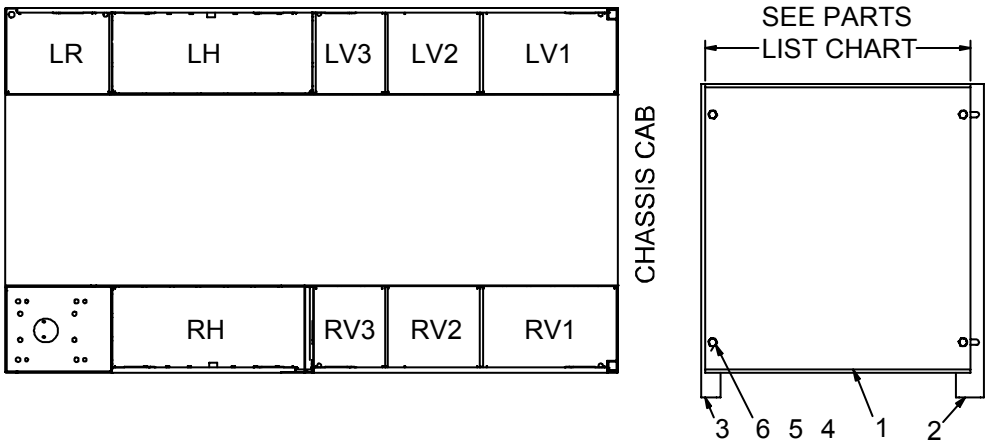
CHAPTER 4

Compartment Options

In This Chapter

Compartment Layout (99903658) 63
Parts List, Shelves (99903658) 64
Installation Drawing, Shelves (99903658).....65
Installation Drawing, Door Trays (99903667).....66
Parts List, Drawer Units and Kits.....67
Dominator I & II Drawer Set Reference Drawing.....69
Drawer Components 70
Compartment Options 72
Tool Box Tray (51711548).....72
Tank Bracket, 2-Bottle (51719752) 74
Tank Bracket, 3-Bottle (51720021) 75
Pull-Out Bin Sets.....75

Compartment Layout (99903658)



Compartment Key

LR	Left Rear
LV1	Left Vertical 1
LV3	Left Vertical 3
RV1	Right Vertical 1
RV3	Right Vertical 3

LH	Left Horizontal
LV2	Left Vertical 2
RH	Right Horizontal
RV2	Right Vertical 2

NOTE: The Left and Right Vertical 3 compartments are only used on Dominator II 13' and 14' bodies.

99903658 COMPARTMENT LAYOUT PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	SEE CHART	SHELF	1
2.	SEE CHART	SHELF END	1
3.	SEE CHART	SHELF END	1
4.	72062109	NUT .31-18 HEX NYLOC (WAS 72062167)	4
5.	72060023	CAP SCR .31-18X .75 HH (WAS 72601829)	4
6.	72063002	WASHER .31 FLAT 18-8 (WAS 72063184)	4
REV H 20060901			

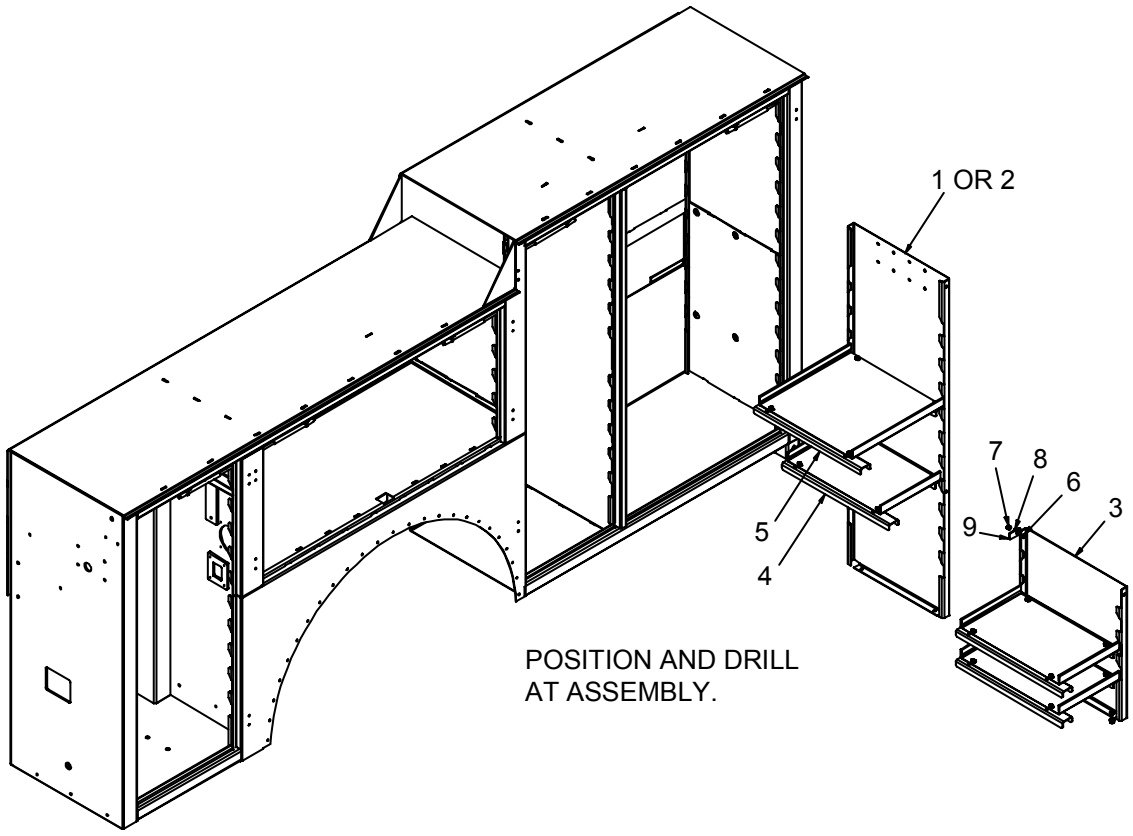
Parts List, Shelves (99903658)

COMPARTMENT LOCATION	ITEM #3 - SHELF END	ITEM #1 - SHELF	ITEM #2 - SHELF END	SHELF WIDTH (INCHES)	SHELF DIVIDER (60251115)	SHELF KIT NUMBER
LEFT VERT 1	60126425	60126419	60126424	33.62		51718810
	60126425	60126422	60126424	33.62	6 INCLUDED	51718811
LEFT VERT 2-11'	60126429	60126418	60126424	17.5		51718812
	60126429	60126421	60126424	17.5	4 INCLUDED	51718813
LEFT VERT 2-13'	60126423	60128828	60126429	23		51719179
	60126423	60128829	60126429	23	4 INCLUDED	51719180
LEFT VERT 2-14'	60126423	60126419	60126429	33.62		51719177
	60126423	60126422	60126429	33.62	6 INCLUDED	51719178
LEFT VERT 3-13'	60126429	60126418	60126424	17.5		51718812
	60126429	60126421	60126424	17.5	4 INCLUDED	51718813
LEFT VERT 3-14'	60126429	60126418	60126424	17.5		51718812
	60126429	60126421	60126424	17.5	4 INCLUDED	51718813
LEFT HORIZONTAL 11',13',14'	60126423	60126417	60126429	49.75		51718814
	60126423	60126420	60126429	49.75	10 INCLUDED	51718815
LEFT HORIZONTAL 9'	60126423	60129328	60126429	47.13		51719911
	60126423	60129313	60126429	47.13	10 INCLUDED	51719924
LEFT REAR	60126697	60126416	60126423	25.75		51718816
	60126697	60126409	60126423	25.75	5 INCLUDED	51718817
RIGHT VERT 1	60126424	60126419	60126697	33.62		51718927
	60126424	60126422	60126697	33.62	6 INCLUDED	51718928
RIGHT VERT 2	60126424	60126418	60126429	17.5		51718812
	60126424	60126421	60126429	17.5	4 INCLUDED	51718813
RIGHT VERT 2-13'	60126429	60128828	60126423	23		51719179
	60126429	60128829	60126423	23	4 INCLUDED	51719180
RIGHT VERT 2-14'	60126423	60126419	60126429	33.62		51719177
	60126423	60126422	60126429	33.62	6 INCLUDED	51719178
RIGHT VERT 3-13'	60126424	60126418	60126429	17.5		51718812
	60126424	60126421	60126429	17.5	4 INCLUDED	51718813
RIGHT VERT 3-14'	60126424	60126418	60126429	17.5		51718812
	60126424	60126421	60126429	17.5	4 INCLUDED	51718813

RIGHT HORIZONTAL 11',13',14'	60126423	60126417	60126429	49.75		51718814
	60126423	60126420	60126429	49.75	10 INCLUDED	51718815
RIGHT HORIZONTAL 9'	60126423	60129328	60126429	47.13		51719911
	60126423	60129313	60126429	47.13	10 INCLUDED	51719924

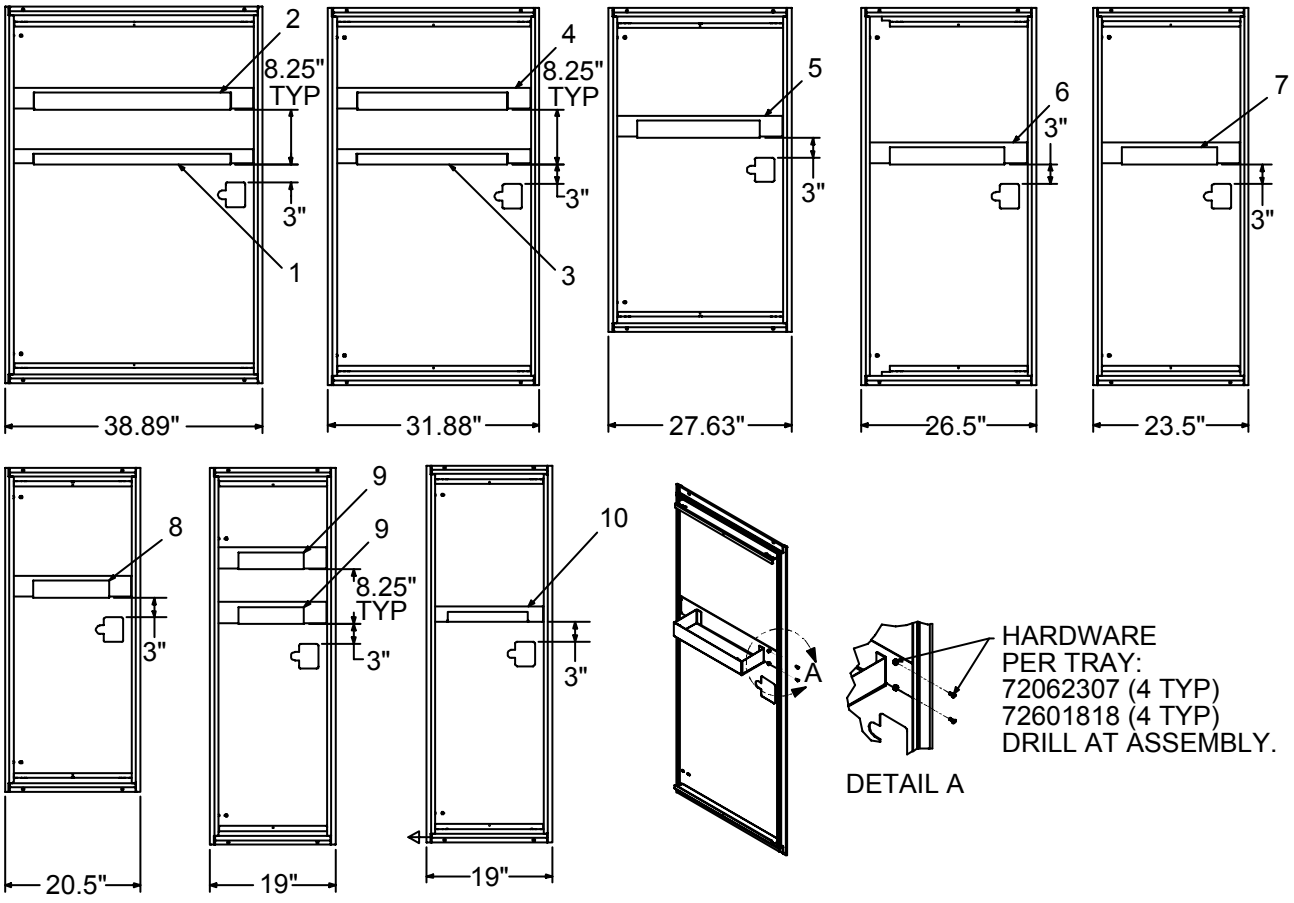
DIVIDER PANELS	ITEM #3 - SHELF END	ITEM #1 - SHELF	ITEM #2 - SHELF END	SHELF WIDTH (INCHES)	60251115 SHELF DIVIDER	SHELF KIT NUMBER
20" DIVIDER PANEL (51718829)	60126424	60126313	60126267	11.5		SHELVES INCLUDED
40" TALL DIVIDER PANEL (51720126)	60126424	60129733	60129732	11.5		51720122
	60126424	60129734	60129732	11.5	60251213(3)	51720123
	60126424	60129737	60129732	17.5		51720124
	60126424	60129738	60129732	17.5	60251216 (4)	51720125
56" TALL DIVIDER PANEL (51720127)	60126424	60129733	60129732	11.5		51720122
	60126424	60129737	60129732	17.5		51720124
REV. M 20080214						

Installation Drawing, Shelves (99903658)



99903658 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51720127	PANEL DIVIDER DOM ADJ SHELF 60"H (WAS 51718828)	1
2.	51720126	PANEL DIVIDER DOM ADJ SHELF 44", 52" H (WAS 51719173)	1
3.	51718829	PANEL DIVIDER DOM ADJ SHELF 22"H	1
4.	SEE CHART	SHELF KIT DOM 1.50"H 18.00 X 12.00	1
5.	SEE CHART	SHELF KIT DOM 1.50"H 18.00 X 18.00	1
6.	72601831	CAP SCR-SS .31-18X 1.00 HH	AS REQ'D
7.	72062167	NUT-SS .31-18 HEX NYLOC	AS REQ'D
8.	72062314	WASHER-SS-BONDED PLTD .31	AS REQ'D
REV. H 20060901			

Installation Drawing, Door Trays (99903667)

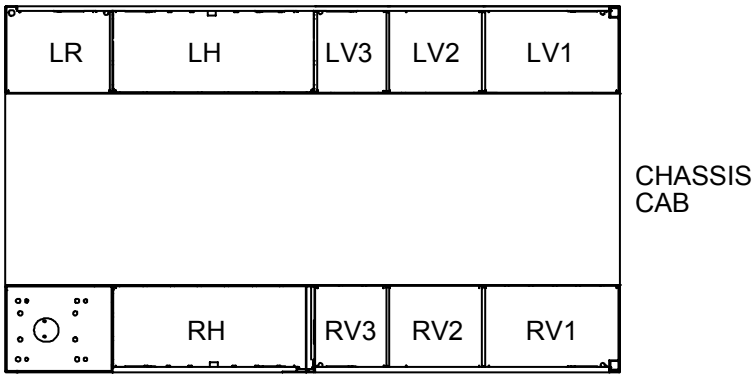


NOTE:

1 Position all tray applications 3.0" above latch hole opening. Space all double tray applications 8.25" apart.

99903667 PARTS LIST				
ITEM	PART #	KIT #	DESCRIPTION	QUANTITY
1.	52720635	51720645	TRAY-TORCH DOM 31.88 W-LATCH	REF
2.	52720636	51720646	TRAY-SPRAY CAN DOM 31.88 W DOOR	REF
3.	52718839	51718838	TRAY-TORCH DOM 31.88 W-LATCH	REF
4.	52718841	51718840	TRAY-SPRAY CAN DOM 31.88 W DOOR	REF
5.	52720227	51720230	TRAY-SPRAY CAN DOM 27.63 W DOOR	REF
6.	52720226	51720229	TRAY-SPRAY CAN DOM 26.50 W DOOR	REF
7.	52720225	51020228	TRAY-SPRAY CAN DOM 23.5 W DOOR	REF
8.	52719152	51719166	TRAY-SPRAY CAN DOM 20.50 W DOOR	REF
9.	52719153	51719167	TRAY-SPRAY CAN DOM 19.00 W DOOR	REF
10.	52713972	51713973	TRAY-WELDMENT TORCH DOM 19" W/LATCH	REF
NOTE: Not all trays are available on all models. Check the door widths on your model to determine appropriate options.				
REV. D 20081112				

Parts List, Drawer Units and Kits



Compartment Key

LR	Left Rear
LH	Left Horizontal
LV3	Left Vertical 3
LV2	Left Vertical 2
LV1	Left Vertical 1

RH	Right Horizontal
RV3	Right Vertical 3
RV2	Right Vertical 2
RV1	Right Vertical 1

NOTE: The Left and Right Vertical 3 compartments are only used on Dominator II 13' and 14' bodies.

The body configuration determines the rollout drawer sets which can be used in each body.

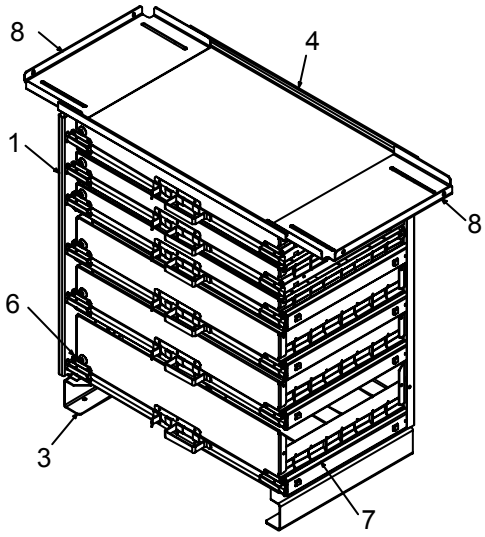
COMPARTMENT	BODY LENGTH	DRAWER SET WIDTH
LEFT & RIGHT VERTICAL 1	9', 11', 13', 14'	26" Wide
LEFT & RIGHT VERTICAL 2	11' & 13'	13" Wide
	14'	26" Wide

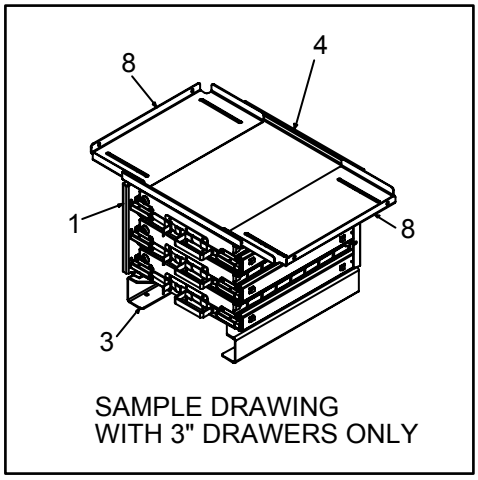
LEFT & RIGHT VERTICAL 3	13' & 14'	13" Wide
LEFT & RIGHT HORIZONTAL		39" Wide
LEFT REAR		13" Wide

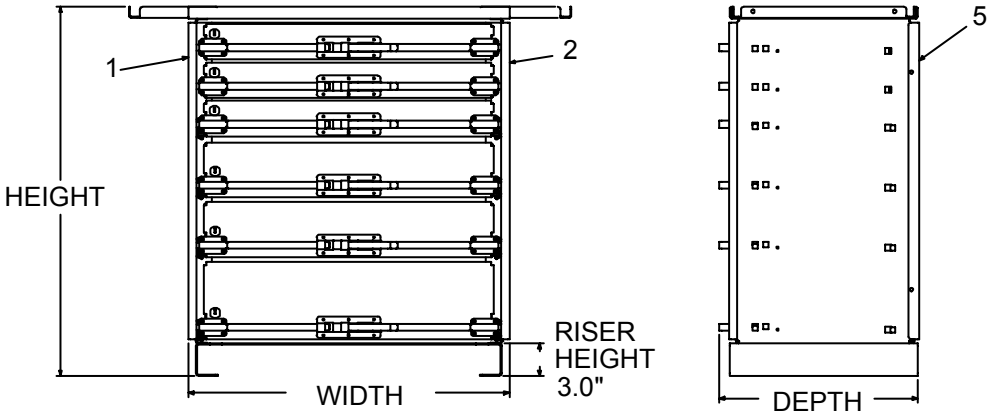
DRAWER SET WIDTH	COMPARTMENT APPLICATION	PART #	3" HIGH DRAWERS	5" HIGH DRAWERS	7" HIGH DRAWERS	DRAWER SET OVERALL HEIGHT
13" WIDE	LEFT & RIGHT VERTICAL 2 - 11' & 13' BODIES; LEFT & RIGHT VERTICAL 3 - 13' & 14' BODIES	70733765	5			22"
		70733766		3		21"
		70733767	3	1		21"
		70733768	3			15"
		70733769		2	1	23"
		70733780	5	2	1	41"
		70733784	5	3		39"
		70733786	3	2	1	34"
		70733787	3	2	1	40"
		70733788	8	1		39"
		70733789	6	1		31"
		70733791	3	3		32"
		70733793	3	4		38"
26" WIDE	LEFT & RIGHT VERTICAL 1; LEFT & RIGHT VERTICAL 2 - 13' & 14' BODIES	70733774	5			22"
		70733775		3		21"
		70733776	3	1		21"
		70733777	3			15"
		70733778		2	1	23"
		70733779	5	2	1	41"
		70733781	3	2	1	34"
		70733782	8	1		39"
		70733783		5	1	40"
		70733785	5	3		39"
		70733790	6	1		31"
		70733792	3	3		32"
		70733794	3	4		38"
39" WIDE	LEFT & RIGHT HORIZONTAL COMPARTMENTS	70733770	5			22"
		70733771		3		21"
		70733772	3	1		21"
		70733773		2	1	23"

Dominator I & II Drawer Set Reference Drawing

SAMPLE DRAWER SET
DRAWING WITH 3",
5", AND 7" HIGH DRAWERS.







NOTE:

1 Complete drawer set part numbers are included in Parts List, Drawer Units and Kits.

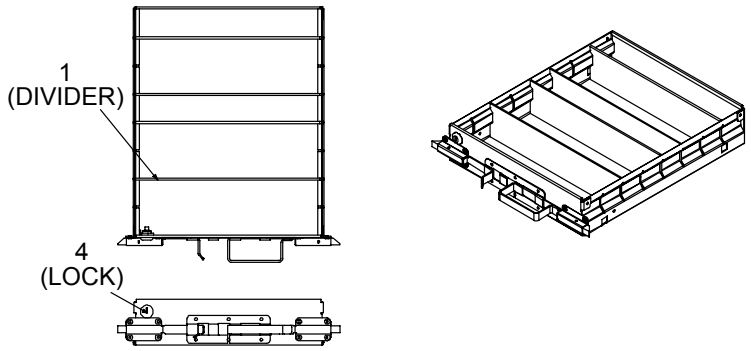
2 The quantity of items 1- 5, panels, risers, and shelves, is 1 per drawer set.

3 The quantities of items 6 - 11, slides and drawers, are based on the number of drawers in the complete kits. drawer slides.

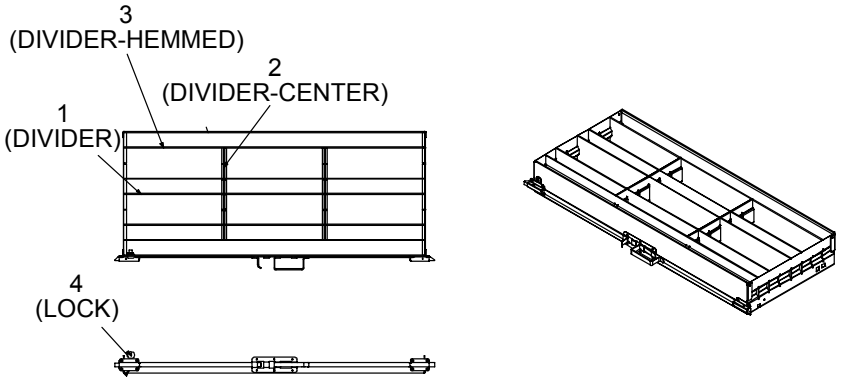
ITEM	DESCRIPTION	13" SET	26" SET	39" SET
1.	PANEL-SIDE, LH	REF	REF	REF
2.	PANEL-SIDE, RH	REF	REF	REF
3.	RISER	60130555	60130556	60130557
4.	SHELF	60130552	60130553	60130554
5.	PANEL-DRAWER BACK	REF	REF	REF
6.	DRAWER SLIDE W-TABS LH	70734171	70734171	70734171
7.	DRAWER SLIDE W-TABS RH	70734173	70734173	70734173
8.	SHELF-ADJUSTABLE END	60130659	60130659	60130660
9.	3" DRAWER	70733800	70733798	70733804
10.	5" DRAWER	70733802	70733799	70733805
11.	7" DRAWER	70733803	70733801	70733806

Drawer Components

SAMPLE DRAWING - DRAWER WITH 4 DIVIDERS



SAMPLE DRAWING - DRAWER WITH CENTER AND SIDE DIVIDERS



NOTE:

1 All drawers are painted.

2 Each IMT drawer comes with the standard lock 70734188. Optional replacement drawer lock sets are available for IMT drawers. Replacement lock sets 70734420 and 70734421 can be ordered from IMT customer service.

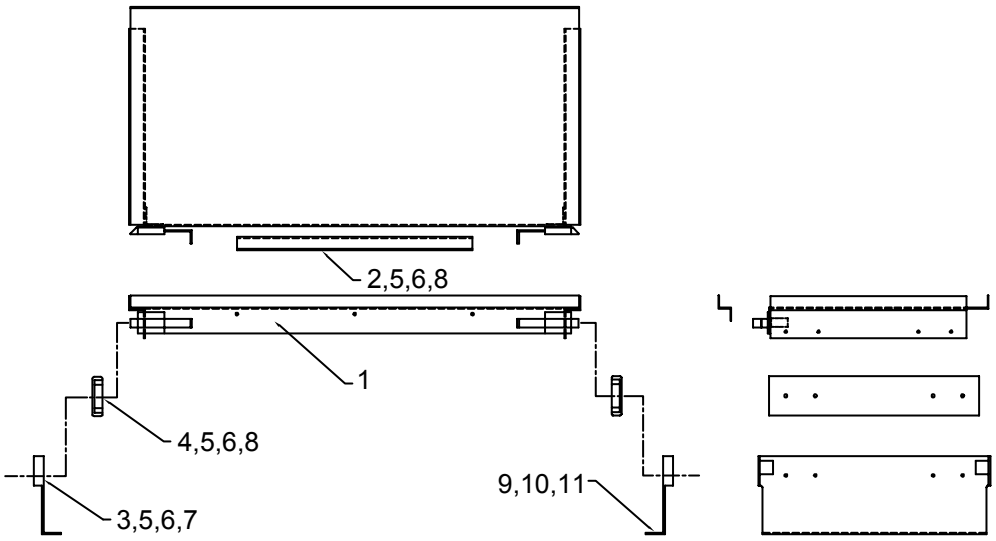
DRAWER PART #	DRAWER WITH DIVIDER DIMENSIONS	DRAWER COMPONENT PART NUMBERS (QUANTITY IN PARENTHESES)		
		ITEM 1-DIVIDER	ITEM 2- DIVIDER, CENTER	ITEM 3- DIVIDER, HEMMED
70733800	3" H X 13" W	60251081 (4)		
70733802	5" H X 13" W	60251233 (4)		
70733803	7" H X 13" W	60251233 (4)		
70733798	3" H X 26" W	60251081 (6)	60130560 (1)	60130558 (2)
70733799	5" H X 26" W	60251233 (6)	60130561 (1)	60130559 (2)
70733801	7" H X 26" W	60251233 (6)	60130561 (1)	60130559 (2)
70733804	3" H X 39" W	60251081 (9)	60130560 (2)	60130571 (2)
70733805	5" H X 39" W	60251233 (9)	60130561 (2)	60130572 (2)
70733806	7" H X 39" W	60251233 (9)	60130561 (2)	60130572 (2)

Compartment Options

Part #	Dimensions / Description	Compartments Available
Roll-out Tool Box Tray		
51711548	Tray dimensions – 32"W x 18.5"D	LV1, LV2, RV1, RV2
Oxygen / Acetylene Tank Bracket		
51720021	Tank bracket – Oxy/Acet 3 tanks with hook	LV1, RV1
51719752	Tank bracket – Oxy/Acet 2 tanks with hook (Mounted on front wall in vented compartment)	LV1, RV1
Pull-out Drawer Sets		
51704193	4 drawer set with base 18"D x 8.12"W x 19"H	LV1, LV2, LV3, RV1, RV2, RV3, LH, RH, LR
51704194	5 drawer set with base 18"D x 8.12"W x 23"H	LV1, LV2, LV3, RV1, RV2, RV3, LR
51709946	16 bolt drawer set w/base 18"D x 16.25"W x 35.5"H	LV1, LV2, LV3, RV1, RV2, RV3, LR
51704282	18 bolt drawer set w/base 18"D x 16.25"W x 39.5"H	LV1, LV2, LV3, RV1, RV2, RV3, LR
51712650	2 drawer set with base 18"D x 8.12"W x 11"H	LV1, LV2, LV3, RV1, RV2, RV3, LH, RH, LR
Slide-out Parts Book Tray		
51713240	Slide out parts / book tray	LH, RH
Bookshelf		
51710102	Bookshelf dimensions 8"H x 45"L x 12"D	RH, LH
51707629	Bookshelf dimensions 8"H x 26"L x 12"D	RH, LH

Note: Left Vertical Compartment 3 (LV3) and Right Vertical Compartment 3 (RV3) are only available on Dominator I and II 13' and 14' models, and may not be available on your model. Check your product specifications.

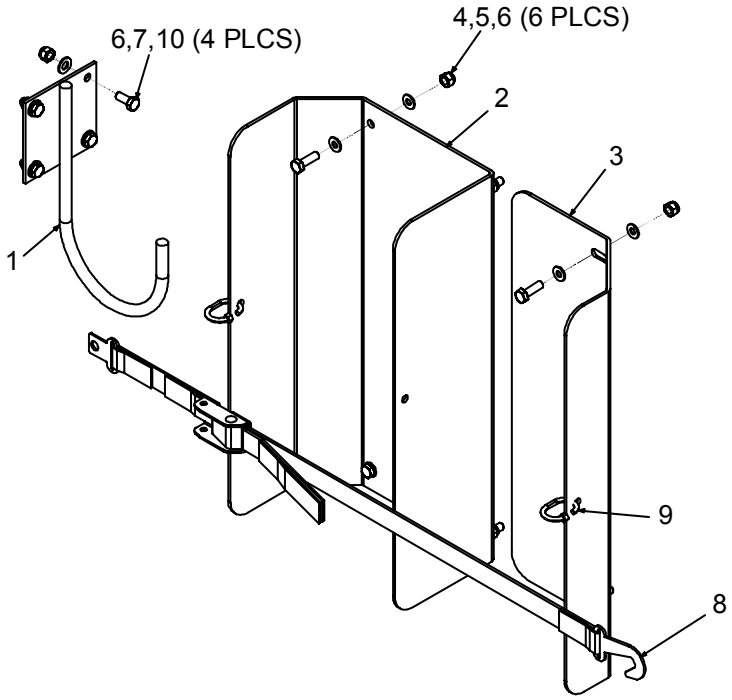
Tool Box Tray (51711548)



51711548 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52711606	TRAY 16-3/4 X 32	1
2.	60117163	MTG BRACKET 32"	1
3.	60114300	MTG BRACKET	2
4.	70731440	DRAWER SLIDE	2
5.	72062106	NUT #10-24 LOCK	19
6.	72063123	WASHER #10 WRT	19
7.	72601284	MACH SCR #10-24 X 5/8 FLHD	8
8.	72601283	MACH SCR #10-24 X 5/8 RDHD	11
9.	72601329	CAP SCR 5/16-18X3/4 BTNHD	4
10.	72063002	WASHER 5/16 WRT	4
11.	72062109	NUT 5/16-18 LOCK	4

REV. A 20041230

Tank Bracket, 2-Bottle (51719752)



51719752 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52704224	HOOK-WLDMT (J) (BOLT IN)	1
2.	60129198	BRACKET ACET BOTTLE	1
3.	60129197	BRACKET OXY BOTTLE	1
4.	72063001	WASHER .25 FLAT	12
5.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z	6
6.	72062109	NUT .31-18 HEX NYLOCK	10
7.	72063002	WASHER .31 FLAT	4
8.	70733516	STRAP-36" BOTTLE HOLDER W/ SNAP HOOK	1
9.	70058959	CHAIN CONNECTOR-THREADED .19	2
10.	72060023	CAP SCR .31-18X .75 HH GR5 Z	4
REV A 20080417			

Tank Bracket, 3-Bottle (51720021)

Reference the 51719752 drawing for the Tank Bracket, 2-Bottle. The Tank Bracket, 3-Bottle, has an additional bracket 60129198 for the oxygen bottle.

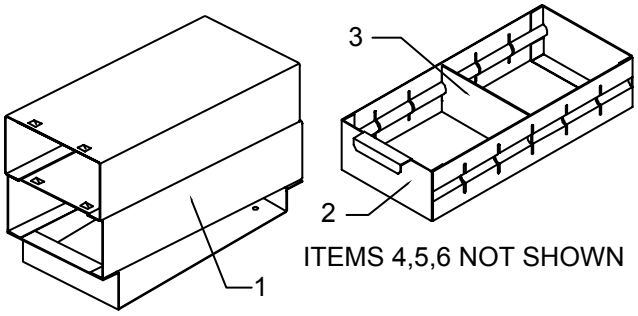
51720021 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52704224	HOOK-WLDMT (J) (BOLT IN)	1
2.	60129198	BRACKET ACET BOTTLE	1
3.	60129197	BRACKET OXY BOTTLE	2
4.	72063001	WASHER .25 FLAT	10
5.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z	6
6.	72062109	NUT .31-18 HEX NYLOCK	10
7.	72063002	WASHER .31 FLAT	4
8.	70733516	STRAP-36" BOTTLE HOLDER W/ SNAP HOOK	1
9.	70058959	CHAIN CONNECTOR-THREADED .19	2
10.	72060023	CAP SCR .31-18X .75 HH GR5 Z	4
REV 20061107			

Pull-Out Bin Sets

Pull-out bins are available for IMT Dominators in sets of 2, 4, 5, 16, and 18 units.

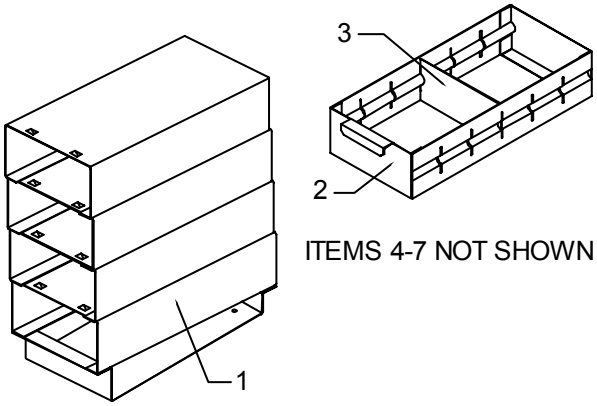
BIN SET PARTS LISTS			# BINS / QUANTITY				
ITEM	PART #	DESCRIPTION	2-BINS (51712650)	4-BINS (51704193)	5-BINS (51704194)	16-BINS (51709946)	18-BINS (51704282)
1.	52712651	CABINET (2-BIN SET)	1				
	52710227	CABINET (4-BIN SET)		1			
	52710226	CABINET (5-BIN SET)			1		
	52710235	CABINET (16-BIN SET)				1	
	52710234	CABINET (18-BIN SET)					1
2.	52710274	BIN	2	4	5	16	18
3.	60114979	DIVIDER 3.38X7.62	8	12	15	48	54
4.	72060002	CAP SCR 1/4-20X3/4 HHGR5	4	4	4	8	8
5.	72062104	NUT 1/4-20 LOCK	4	4	4	8	8
6.	72063001	WASHER 1/4 WRT	8	8	8	16	16

2-Bin Set with Base (51712650)

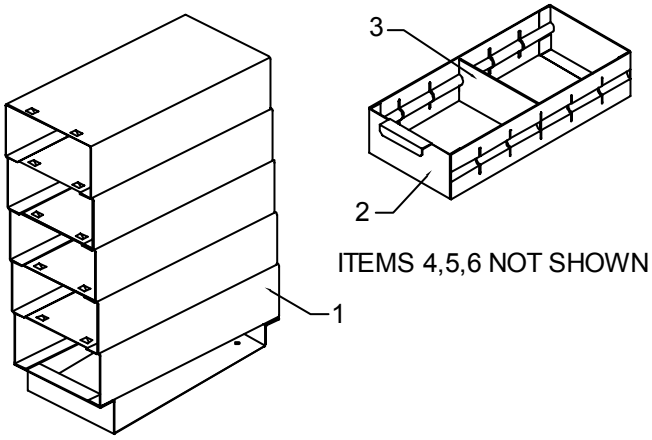


ITEMS 4,5,6 NOT SHOWN

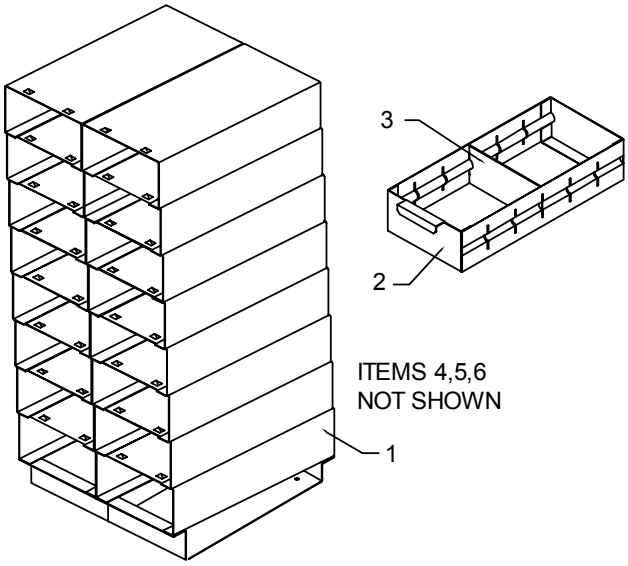
4-Bin Set with Base (51704193)



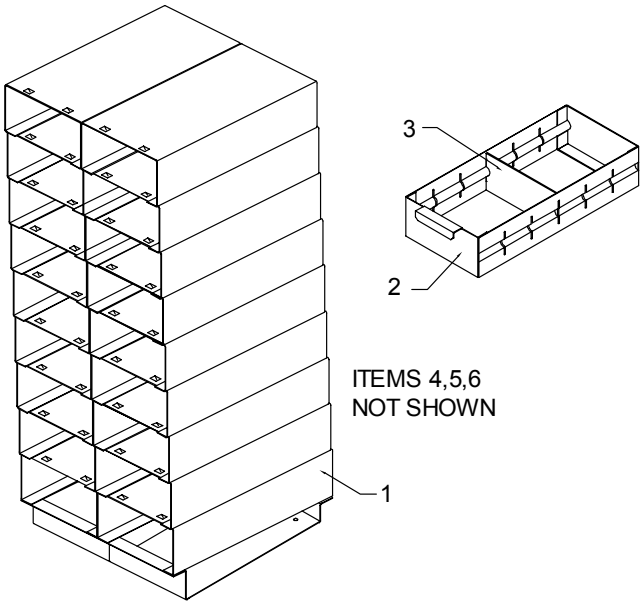
5-Bin Set with Base (51704194)



16-Bin Set with Base (51709946)



18-Bin Set with Base (51704282)



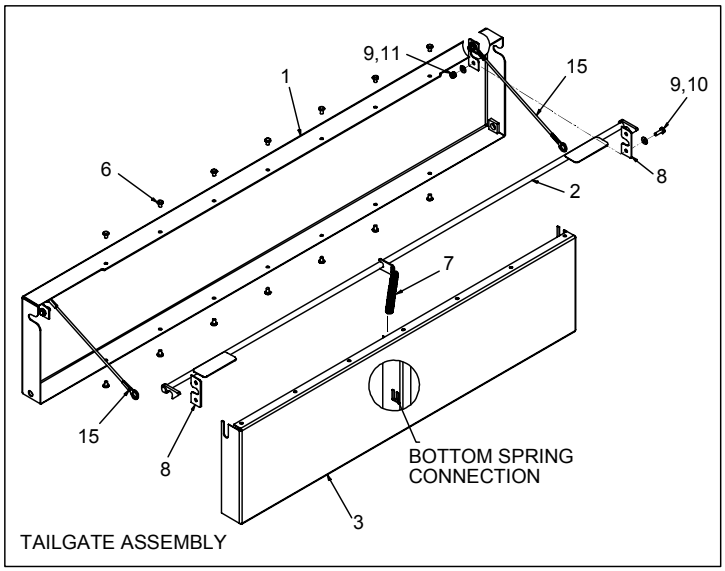
CHAPTER 5

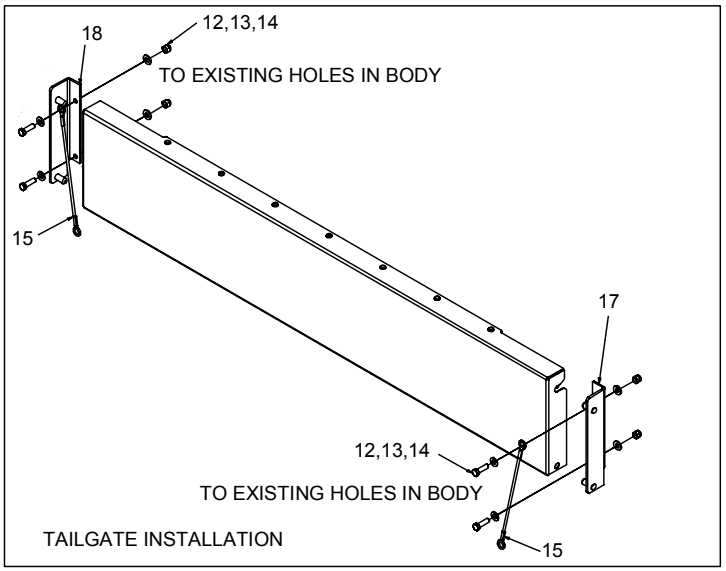
Tailgate & Bumper Options

In This Chapter

Tailgate Assembly (51718801).....79
Bumper Hitch & Workbench Options.....81

Tailgate Assembly (51718801)





INSTALLATION NOTES:

1 INSTALL ROD WELDMENT #2 INTO PANEL #3 SLOTS.

2 CONNECT SPRING #7 BETWEEN PANEL #3 BRACKET AND ROD #2 BRACKET.

3 JOIN PANEL #1 OVER PANEL #3.

4 CONNECT PANEL #1 TO PANEL #3 WITH RIVET #6.

5 INSERT LOWER MOUNTING PIN OF MOUNTING BRACKETS #17 AND #18 INTO LOWER HOLE OF ASSEMBLED TAILGATE.

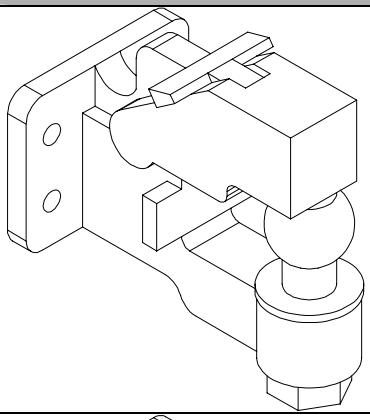
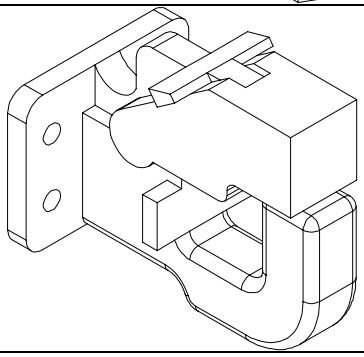
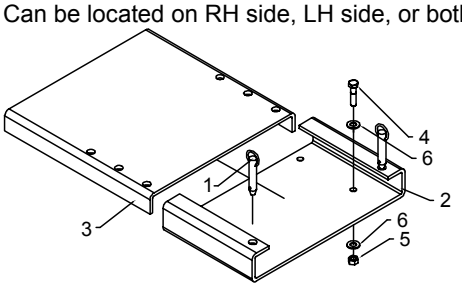
6 BOLT ASSEMBLY TO REAR OF BODY.

7 CABLE #15 WILL SHARE THE TOP MOUNTING HOLE IN BRACKETS #17 AND #18. ATTACH THE OTHER END OF CABLE TO THE TOP END OF THE TAILGATE TO HOLD THE TAILGATE PARALLEL TO THE CARGO FLOOR.

51718801 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718802	TAILGATE WELDMENT REAR COVER	1
2.	52718803	TAILGATE WELDMENT LATCH ROD	1
3.	52718804	TAILGATE WELDMENT FRONT COVER	1
6.	72661226	RIVET-ALUMINUM .257 DIA X .38 GRIP	14
7.	71411138	SPRING-COMPRESSION .50 X 3.50 X 14GA	1
8.	60126539	BRACKET, TAILGATE REAR COVER	2
9.	72063001	WASHER .25 FLAT (WAS 72063166)	8
10.	72060002	CAP SCREW-.25-20X .75 HH GR5Z (WAS 72601827)	4
11.	72062104	NUT .25-20 HEX NYLOC (WAS 72062194)	4
12.	72063003	WASHER .38 FLAT (WAS SS)	8

51718801 PARTS LIST			
13.	72060047	CAP SCREW .38-16X 1.25 HHGR5Z (WAS 72601835)	4
14.	72062103	NUT .38-16 HEX NYLOC (WAS 72062197)	4
15.	72661600	CABLE, PLASTIC COATED	2
17.	52719638	TAILGATE POST WELDMENT, RH	1
18.	52719639	TAILGATE POST WELDMENT, LH	1
REV. F 2007			

Bumper Hitch & Workbench Options

Dominator Bumper Hitch & Workbench Options		
PART NUMBER	**DESCRIPTION**	**NOTES**
51709516	Pintle ball combination with 2" removable ball for hitch Tank Kit mounting	
51709517	Hitch for hitch Tank Kit mounting	
51710172	Vise mounting bracket	Can be located on RH side, LH side, or both with quantity of 2  Note: See drawing 99903161 for installation instructions.
70733332	Combination vise, 5"	Can be located on RH side, LH side, or both with quantity of 2
60117003	Vise plate, weld-on 12" x 12" x 1/2"	Can be located on RH side, LH side, or both with quantity of 2

CHAPTER 6

Air System Options

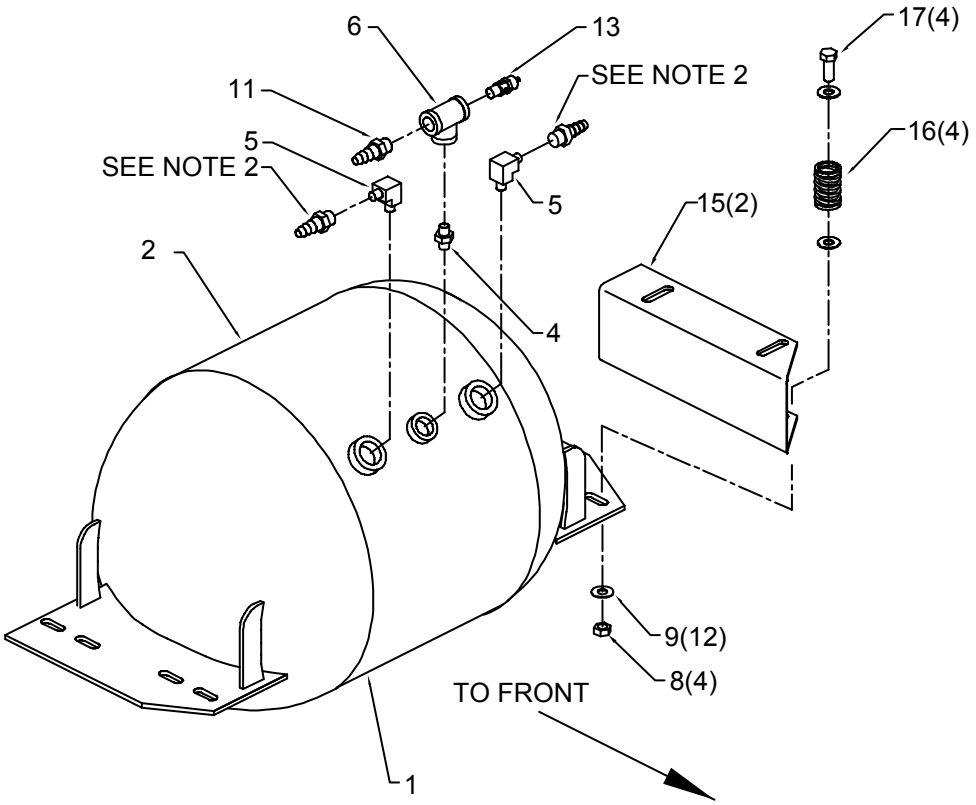
In This Chapter

Air Tank Options....83
Air Tank Kit, 22.5 Gallon (51706697)....84
Air Tank Kit, 15 Gal (51707363)....85
Air Tank Kit, Dual 15 Gal (51709693)....87
Air Tank Kit, 35 Gallon (51708336)....88
Air Tank Kit, 58 Gallon (51708369)....91
Stepless Ear Clamp Installation (99904411)....92
Moisture Separator / Regulator / Oiler Assembly (51714805)....94
Moisture Separator / Regulator / Oiler Parts (51714805)....95
Moisture Separator / Regulator / Oiler Installation....96
Hose Reel (51713651)....97

Air Tank Options

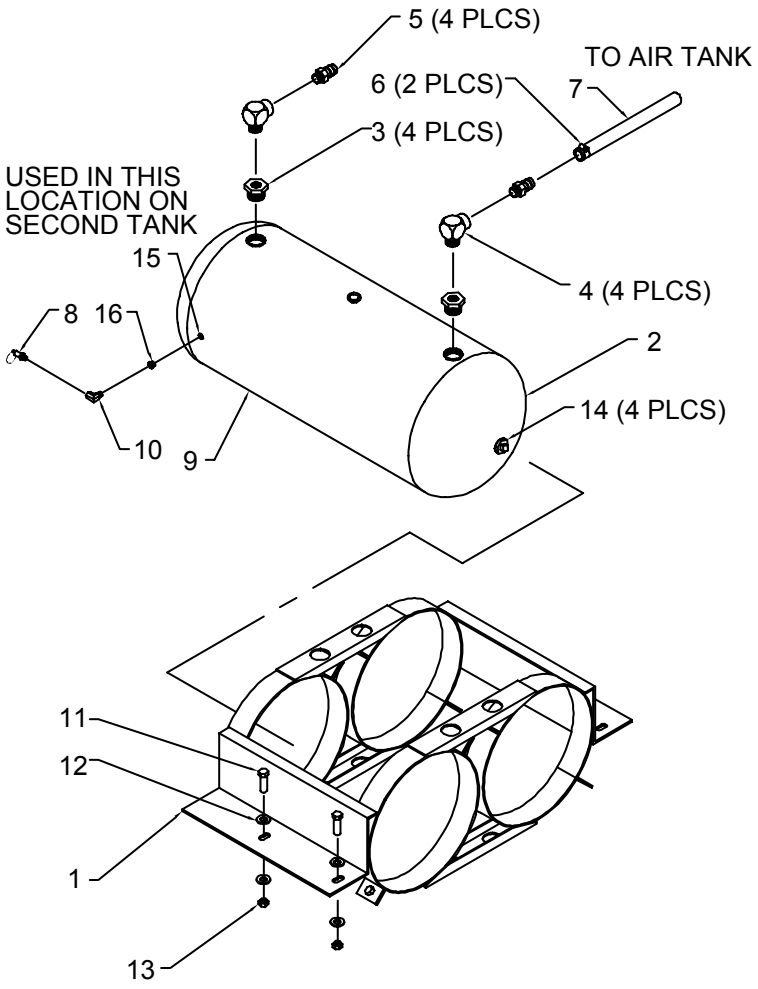
PART #	DESCRIPTION	LOCATION
51706697	Air Tank Kit, 22.5 Gal	Mount between the frame for all units.
51707363	Air Tank Kit, 2 - 15 Gal (30 Gal Total)	Mount between the frame at the rear of the body.
51709804	Air Tank Kit, 22 Gal	Mount on one side parallel to driveshaft.
51709693	Air Tank Kits, 2- 15 Gal Tanks	Mount one on each side of frame.
51708336	Air Tank Kit, 35 Gal	Mount on top of street side compartments.
51708369	Air Tank Kit, 58 Gal	Mount on top of street side compartments.

Air Tank Kit, 22.5 Gallon (51706697)



51706697 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51709358	DRAIN ASM (INCL:1)	1
2.	70731788	AIR TANK 22-1/2 GALLON	1
4.	72053517	ADAPTER 1/4MPT 1/4MPT HEX	1
5.	72053556	STREET ELBOW 3/4NPT 90°	2
6.	72053610	TEE 1/4	1
7.	72060093	CAP SCR 1/2-13X1-1/2 HHGR5 (WAS 72060092)	4
8.	72062080	NUT 1/2-13 LOCK	4
9.	72063005	WASHER 1/2 WRT	12
10.	72531836	REDUCER BUSHING 1-1/4X3/4NPT	2
11.	72532552	HOSE FTG TYPE O 1/4 1/4	1
13.	73054032	SAFETY VALVE 1/4 200PSI	1
14.	71393886	DECAL-DANGER EXPLODING TANK	1
15.	60113718	BRACKET	2
16.	70144807	SPRING	4
17.	72060920	CAP SCR 1/2-13X3-1/4 HHGR5	4
REV. J 20060329			

Air Tank Kit, 15 Gal (51707363)



NOTES:

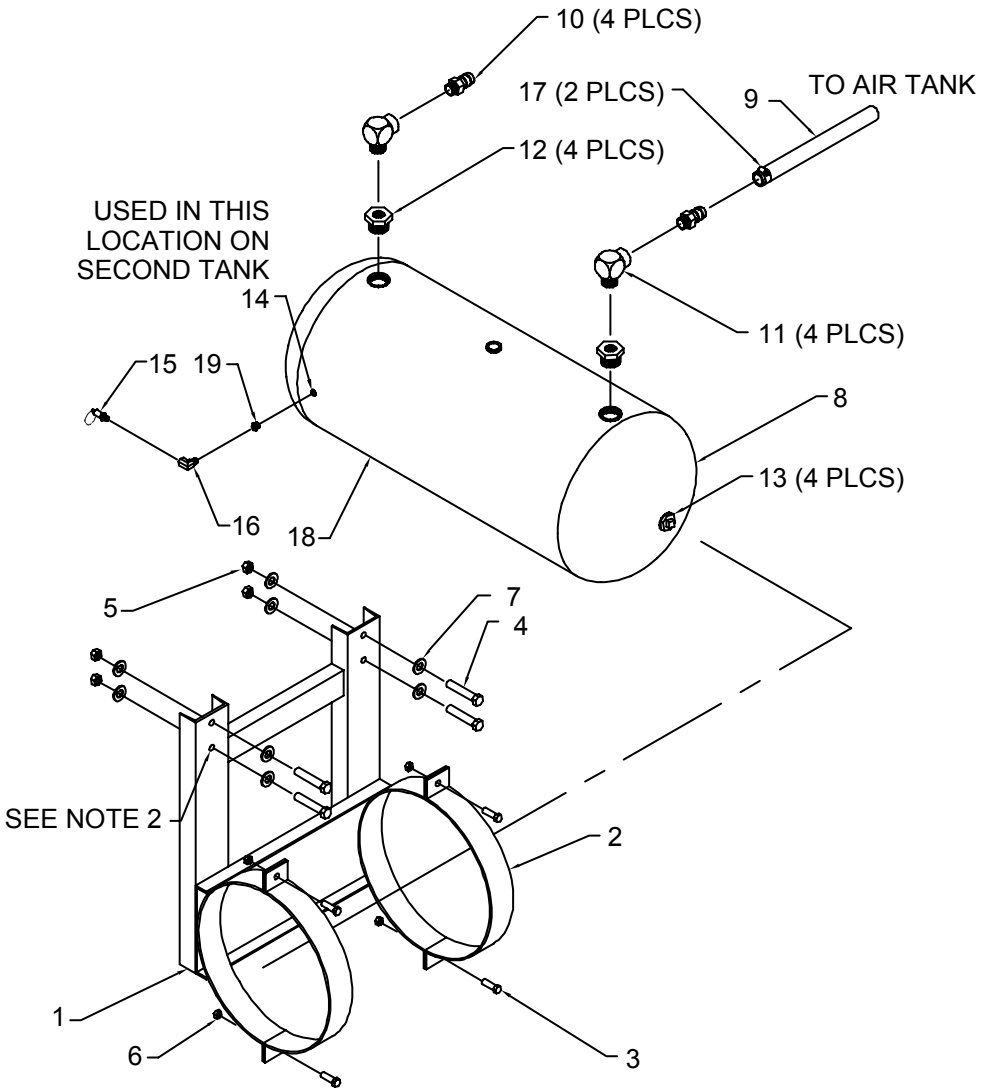
1 LOCATE DECAL AS CLOSE TO DRAIN VALVE AS POSSIBLE, IN CLEAR VIEW OF OPERATOR.

2 FITTING CONFIGURATION MAY VARY PER APPLICATION. TANK BRACKET MAY BE MOUNTED INVERTED OR ROTATED 180° AS REQUIRED PER APPLICATION.

51707363 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51705045	TANK BRKT-DUAL 15GAL INSFRAME	1
2.	70073062	TANK-AIR 15 GAL 12.00 X 32.50	2
3.	72053180	REDUCER BUSH-BLK 1.25- .75	4
4.	72053556	ELBOW-STREET STL .75 X 90 DEG	4

51707363 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
5.	72532559	HOSE FTG-TYPE O 12 .75 BRS	4
6.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	2
7.	89392349	HOSE-GP .75 X 250 WP GRAY 801	0.583 FT
8.	73054032	VALVE-PRESS RELIEF .25 200 PS	1
9.	51713771	DRAIN ASM-DUAL AIR TANKS	1
10.	72053282	ELBOW-STREET BLK .25 X 90 DEG	1
11.	72060093	CAP SCR .50-13X 1.50 HH GR5 Z	4
12.	72063005	WASHER .50 W FLAT ANSI B27.2Z	4
13.	72062080	NUT .50-13 HEX NYLOC ZINC	4
14.	72053397	PLUG-PIPE SOC HEX BLK 1.25	4
15.	72053246	PLUG-PIPE SQ HD BLK .38	1
16.	72053372	REDUCER BUSH-BLK .38- .25	1
17.	71393886	DECAL-DANGER EXPLODING TANK	1
REV. C 20080613			

Air Tank Kit, Dual 15 Gal (51709693)



NOTES:

1 LOCATE DECAL AS CLOSE TO DRAIN VALVE AS POSSIBLE, IN CLEAR VIEW OF OPERATOR.

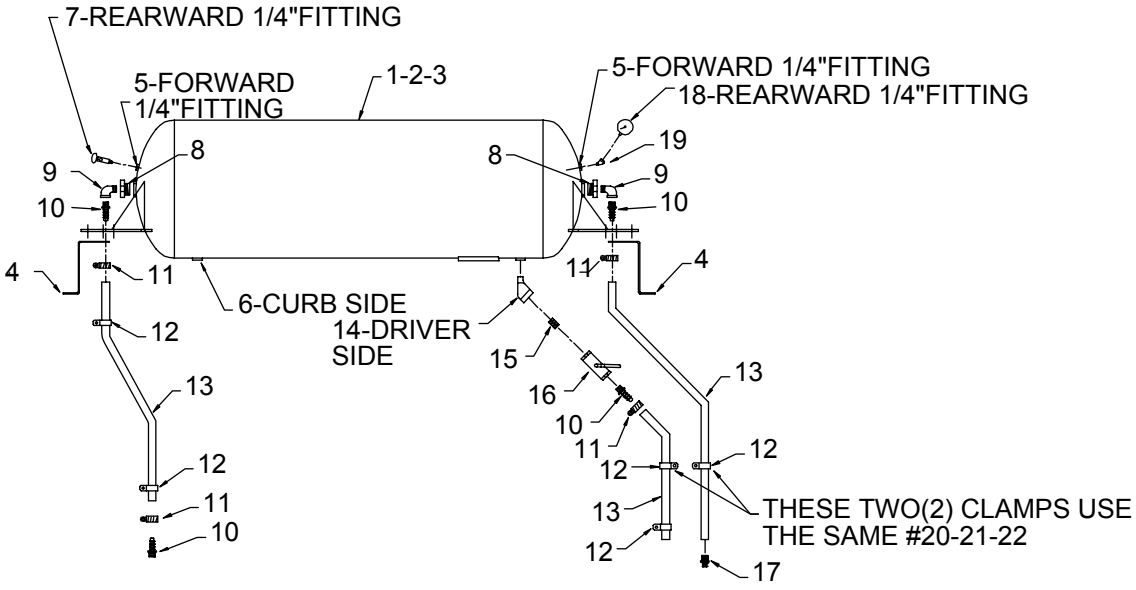
2 FITTING CONFIGURATION MAY VARY PER APPLICATION. TANK BRACKET MAY BE MOUNTED INVERTED OR ROTATED 180° AS REQUIRED PER APPLICATION.

51709693 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52709697	TANK BRKT-SGL 15GAL	2
2.	60106492	BRACKET, AIR TANK	4
3.	72060048	CAP SCR 3/8-16 X 1.5	8
4.	72060096	CAP SCR 1/2-13 X 2.50	8

51709693 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
5.	72062080	NUT 1/2-13 HEX SELF LOCK	8
6.	72062103	NUT 3/8-16 HEX SELF LOCK	8
7.	72063005	WASHER 1/2 FLAT	16
8.	70073062	TANK, AIR 15 GAL	2
9.	89392349	HOSE-GP 3/4" 200 PSI	8'
10.	72532559	HOSE FTG 3/4 3/4 BRS	4
11.	72053556	ELBOW STR 3/4X90°	4
12.	72053180	RED BUSHING 1.25-.75	4
13.	72053397	PIPE PLUG 1.25 HOL HEX	4
14.	72053246	PLUG-PIPE 3/8 SQHD	1
15.	73054032	SAFETY VALVE	1
16.	72053282	ELBOW STREET 1/4 X 90°	1
17.	72066000	HOSE CLAMP	2
18.	51713771	DRAIN ASM, DUAL TANK	1
19.	72053372	RED BUSHING 3/8-1/4	1
20.	71393886	DECAL-DANGER AIR TANK	1

REV. B 20051128

Air Tank Kit, 35 Gallon (51708336)



NOTES:

1 ITEMS 23-27 ARE USED TO SECURE TANK (#1) TO BRACKET (#4), AND BRACKET TO BODY.

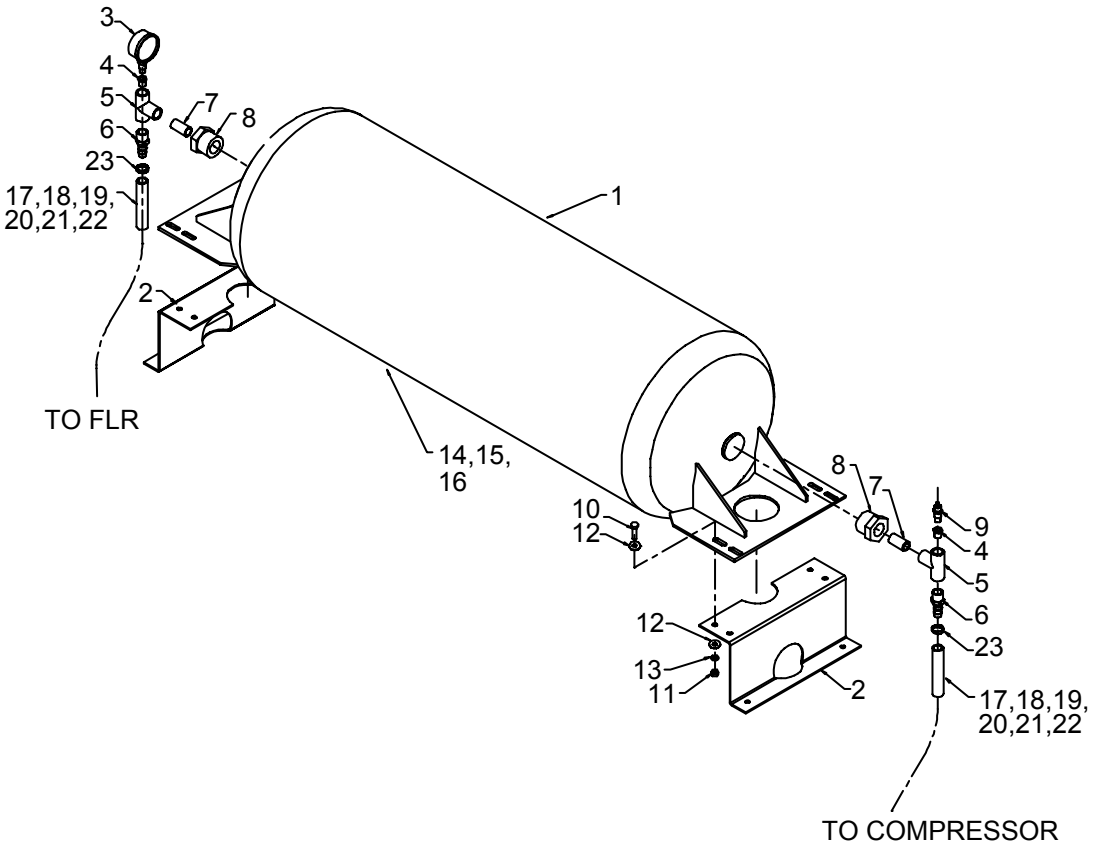
2 ITEMS 20-22 ARE USED TO SECURE CLAMP (#12) TO BODY.

3 ITEM 28 AND ONE OF ITEM 9 MAY NOT BE REQUIRED, OR MAY REPLACE ITEMS 14 & 15.

51708336 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70073063	TANK-AIR 35 GAL 14.00 X 57.00	1
2.	70391601	DECAL-AIR TANK DRAIN	1
3.	71393886	DECAL-DANGER EXPLODING TANK	1
4.	60112258	BRACKET-AIR TANK 58 GAL MECH	2
5.	72053245	PLUG-PIPE SQ HD BLK .25	2
6.	72053405	PLUG-PIPE SOC HD GLV .75	1
7.	73054032	VALVE-SAFETY .25 200 PSI	1
8.	72053577	REDUCER BUSH-BLK 1.50- .75	2
9.	72053285	ELBOW-STREET BLK .75 X 90 DEG	3
10.	72053458	NIPPLE-BARB BRS .75 MPT .75	4
11.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	5
12.	72066582	CLAMP-UMP20 S464-G20	5
13.	89392349	HOSE-GP .75 X #300 WP (GRAY)	31'
14.	72053173	ELBOW-STREET BLK .75 X 45°	1
15.	72053141	NIPPLE-PIPE BLK .75 X CLOSE	1
16.	73054230	VALVE-BALL .75	1
17.	72532832	HOSE FTG-TYPE O .75 .75 STL	1
18.	70048015	GAUGE-PRESSURE AIR 300#	1
19.	72053170	ELBOW-STREET BLK .25 X 45°	1
20.	72060004	CAP SCR .25-20 X 1.00 HH GR5 ZINC	4
21.	72063001	WASHER .25 W FLAT ANSI B27.2Z	8
22.	72062104	NUT .25-20 HEX NYLOC ZINC	4
23.	72060047	CAP SCR .38-16 X 1.25 HH GR5 ZINC	8
24.	72063003	WASHER .38 W FLAT ANSI B27.2Z	20
25.	72062103	NUT .38-16 HEX NYLOC ZINC	12
26.	72060046	CAP SCR .38-16 X 1.00 HH GRD5 ZINC	4
27.	76392821	WASHER-BONDED PLTD .38	4
28.	72053152	NIPPLE-PIPE BLK .75 X 5.00	1
REV. C 20080613			

REV. B 20051129

Air Tank Kit, 58 Gallon (51708369)



NOTE:

1 LOCATE DECAL #24 AS CLOSE TO DRAIN VALVE AS POSSIBLE, IN CLEAR VIEW OF OPERATOR.

51708369 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70073808	TANK-AIR 58 GAL	1
2.	60112258	BRACKET-AIR TANK 58 GAL MECH	2
3.	70048036	GAUGE-PRESS AIR 300# BTM MNT	1
4.	72053527	REDUCER BUSH-BLK .75- .25	2
5.	72053604	TEE-BLK .75	2
6.	72532832	HOSE HTG-TYPE O .75 .75 STL	2
7.	72053141	NIPPLE-PIPE BLK .75 X CLOSE	2
8.	72532852	REDUCER BUSH-BLK 2.00- .75	2
9.	73054032	VALVE-SAFETY .25 200 PSI	1
10.	72060046	CAP SCR .38-16 X 1.00 HH GR5 Z	12
11.	72062002	NUT .38-16 HEX ZINC	12
12.	72063003	WASHER .38 W FLAT AHSI B27.2Z	12
13.	72063051	WASHER .38 LOCK ZINC	12

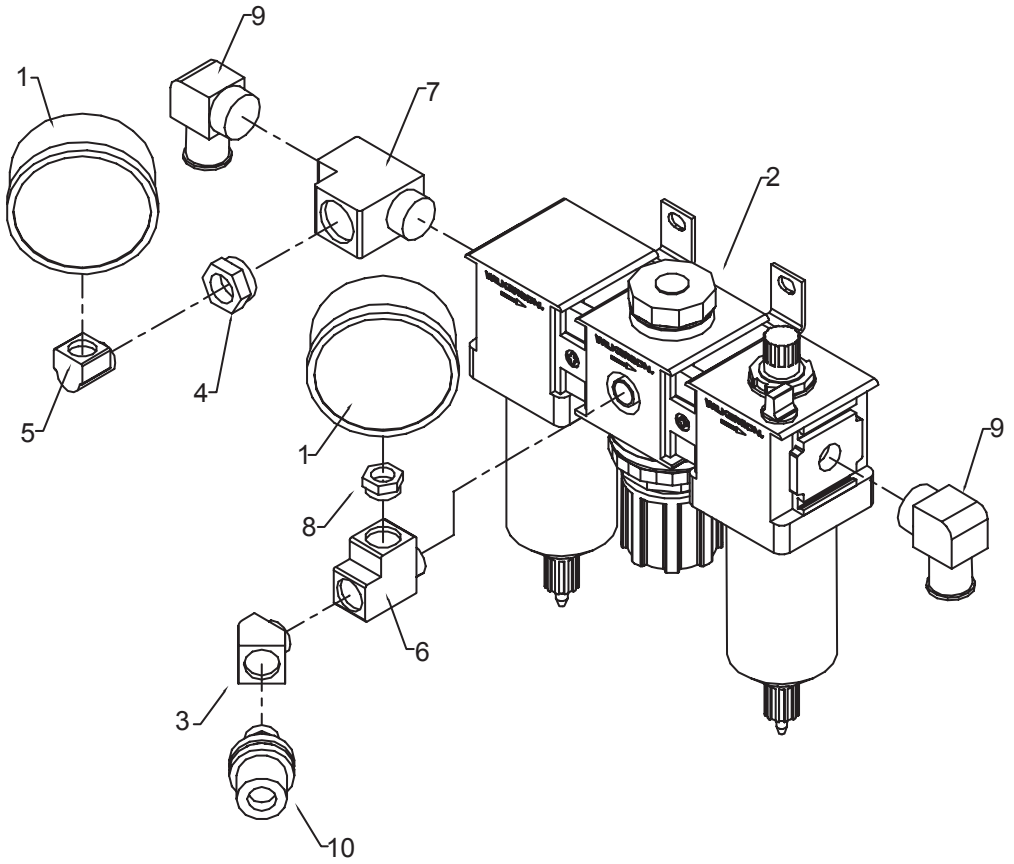
51708369 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
14.	51709358	DRAIN ASM-AIR TANK UNDER DECK	1
15.	72066534	CLAMP-HOSE VINYL COVERED .25	3
16.	72066340	RIVET-POP AL .12 X .375 GRIP	3
17.	89392349	HOSE-GP .75 X 300# WP (GRAY)	31 FT
18.	72066525	CLAMP-HOSE VINYL COVERED .75	9
19.	72060002	CAP SCR .25-20 X .75 HH GR5 Z	9
20.	72063049	WASHER .25 LOCK ZINC	9
21.	72063001	WASHER .25 W FLAT ANSI B27.2Z	6
22.	72062000	NUT .25-20 HEX ZINC	6
23.	72661657	CLAMP-.75 STEPLESS EAR (WAS 72066000)	2
24.	71393886	DECAL-DANGER EXPLODING TANK	1
REV. C 20080613			

REV. B 20051129

Stepless Ear Clamp Installation (99904411)

INSTALLING A STEPLESS EAR CLAMP	
When there is sufficient room, use standard jaw pincers to position a properly-sized ear clamp on a hose fitted with a hose stem. Close ear clamp fully with uniform force until there is only a 1/16" gap remaining. The visible deformation of the clamp ear provides a visible, instant check that the closure is complete.	
INSTALLING A STEPLESS EAR CLAMP IN RESTRICTED SPACE	
When space is restricted, use side jaw pincers held parallel to the hose to position and clamp a properly-sized ear clamp on a hose fitted with a hose stem. Close ear clamp fully with uniform force until there is only a 1/16" gap remaining. The visible deformation of the clamp ear provides a visible, instant check that the closure is complete.	
REMOVING A STEPLESS EAR CLAMP	
To remove a stepless ear clamp, grasp the strip end with a pincer and pull it away.	
NOTE: Stepless ear clamps can only be used once. When removed, they must be discarded and replaced with new clamps.	

Moisture Separator / Regulator / Oiler Assembly (51714805)



NOTE:

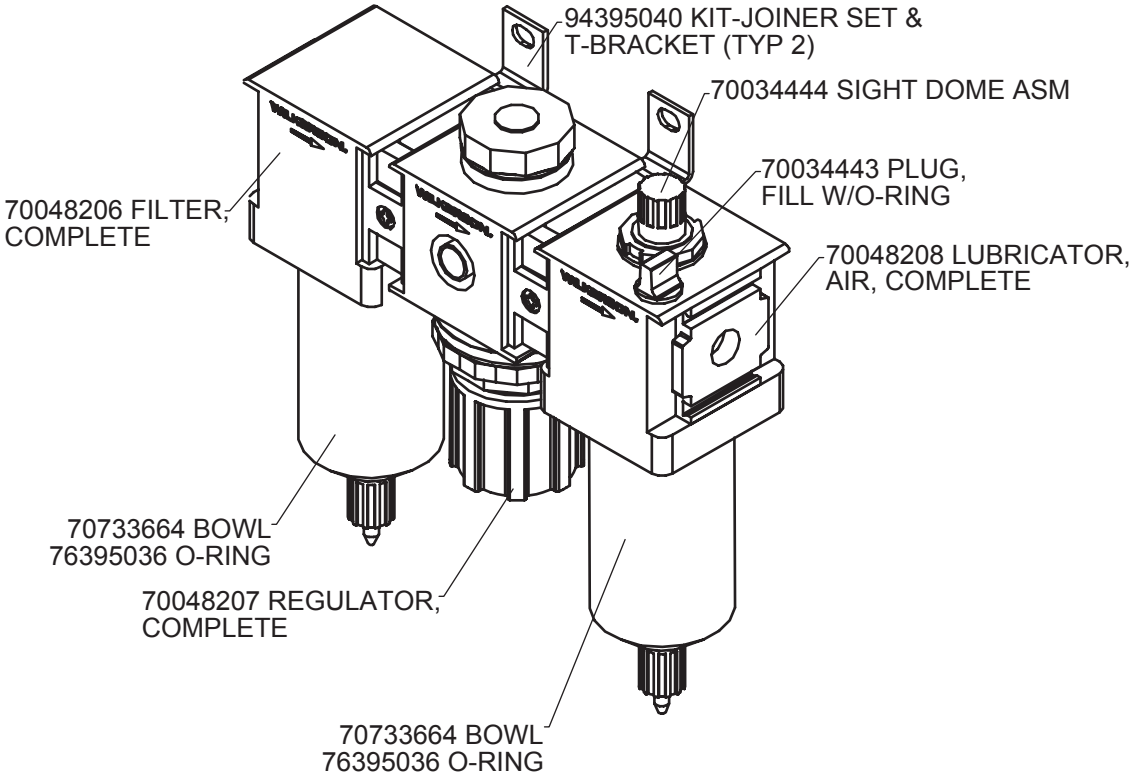
1 When installing fittings, seal threads with Pro Lock pipe sealant with teflon (#51464) or equivalent. This sealant is a low strength anaerobic paste. Thread tape is *not* acceptable.

51714805 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70048205	AIR PRESSURE GAUGE 300PSI	2
2.	70073310	MOISTURE SEP/REG/OILER	1
3.	72053571	STREET ELBOW 3/8NPT 45° BRASS	1
4.	72531812	REDUCER BUSHING 1/2-1/4NPT BRS	1
5.	72532974	STREET ELBOW 1/4NPT 90° SHORT	1
6.	72533586	TEE 3/8NPT BRS RUN	1
7.	72533587	TEE 1/2NPT BRS RUN	1
8.	72533588	REDUCER BUSHING 3/8-1/4NPT BRS	1
9.	72533592	BARB NIPPLE 1/2MPT 3/4NPT 90°	4
10.	72533593	QUICK DISCONNECT 3/8MPT 1/4DIS	1

51714805 PARTS LIST			
11.	72601825	CAP SCR, SS 1/4-20 X 1/2 HH	* 4
12.	72063142	WASHER, SS 1/4 LOCK	* 4
13.	T48004	920 3”X5” 2MIL ZIPLOC BAG	* 4
* NOT SHOWN			

REV. B 20050103

Moisture Separator / Regulator / Oiler Parts (51714805)

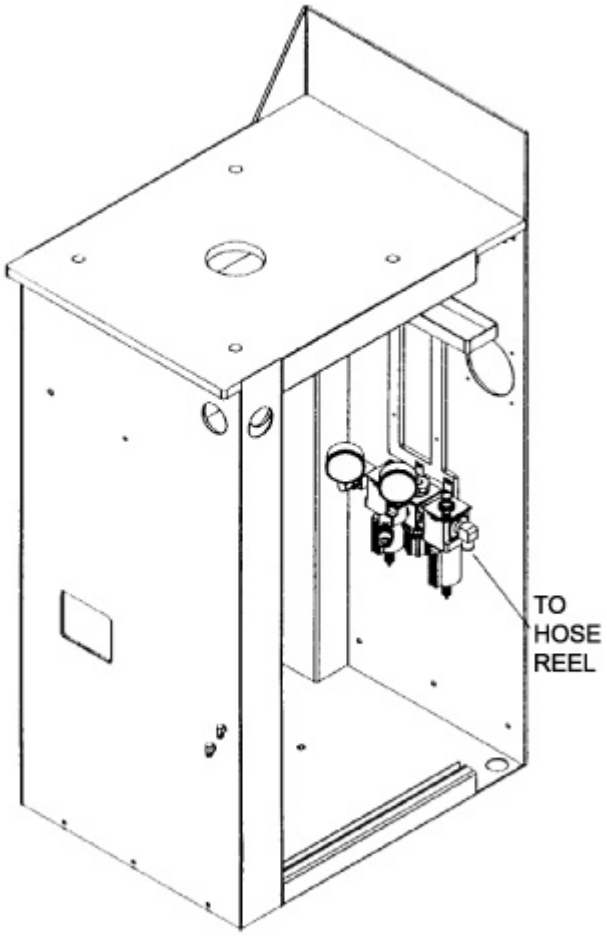


COMPONENT PART ASSEMBLIES:
70048206 FILTER REPLACEMENT PARTS INCLUDE 94395039 ELEMENT KIT (5-MICRON ELEMENT, ELEMENT RETAINER, DEFLECTOR, AND BOWL O-RING) AND 70048209 ELEMENT (5-MICRON ELEMENT ONLY).

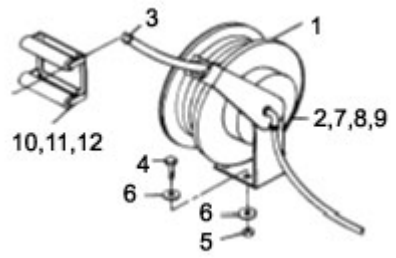
70048207 AIR REGULATOR REPLACEMENT PARTS INCLUDE 94395037 DIAPHRAGM KIT AND 70145777 SPRING, AIR REGULATOR.

70048208 LUBRICATOR REPLACEMENT PARTS INCLUDE 94395038 BY-PASS KIT, WHICH INCLUDES MODULE, CHECK BALLS, ELASTOMER, AND GASKET.

Moisture Separator / Regulator / Oiler Installation



Hose Reel (51713651)



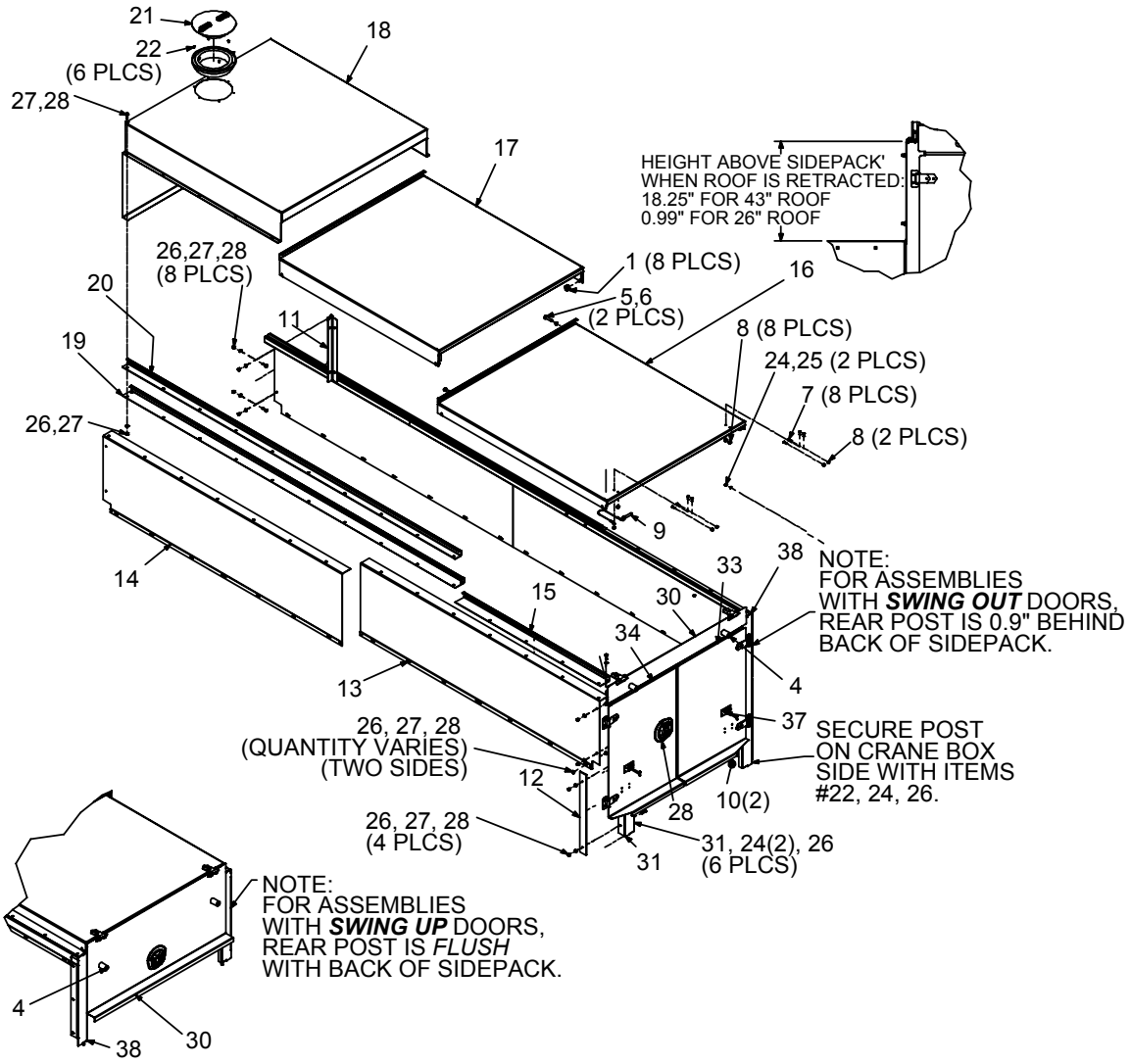
51713651 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70732096	HOSE REEL	1
2.	72531133	STREET ELBOW, STL 1/2X90° (WAS 72053284)	1
3.	72053810	PIPE CAP 1/2NPT	1
4.	72601834	CAP SCR 3/8-16X1 SS (WAS 72060046)	4REF
5.	72062197	NUT SS 3/8-16 LOCK (WAS 72062103)	4REF
6.	72063165	WASHER 3/8 WRT (WAS 72063003)	8REF
7.	72066000	HOSE CLAMP (WAS QTY 2)	4REF
8.	72051547	BARB NIPPLE 1/2MPT 3/4HOSE (WAS QTY 2)	1
9.	89392349	HOSE 3/4 300#	36"
10.	70731371	HOSE GUIDE & ROLLER ASM	1
11.	72601824	BOLT, STV SS #10-24X3/4 FLH (WAS 72060638)	4REF
12.	72062123	NUT SS #10-24 LOCK (WAS 72062106)	4REF
	51718791	HARDWARE KIT, HOSE REEL (INCL. 4-7,11,12)	REF

REV. 20050725

CHAPTER 7

Telescoping Tops

Telescopic Top Installation (99903675)



NOTE: THE COMPLETE ASSEMBLY DETAIL IS FOR THE 43" HIGH VERSION AND ITS ASSOCIATED "SWING" DOORS. VIEW ABOVE DETAILS THE 26" HIGH VERSION WITH SWING-UP DOOR.

99903675 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60030171	ROLLER	8
2.	72661383	HINGE-SS 10GA BUTT	6
3.	72661599	LATCH ASM-3PT COMPRESSION	1
4.	70391615	BUMPER-RUBBER 1.25 DIA X 1.88	2
5.	72062002	NUT .38-16 HEX	KIT
6.	72060050	CAP SCR .38-16X 2.00 HH GR5ZC	KIT
7.	72601652	SCR-MACH .25-20X .75TRHTORXSS	KIT
8.	72062194	NUT-SS .25-20 NYLOC	KIT
9.	71734026	PIN-QUICK RLSE .50D/1.5 W/ 12inL	1
10.	72060833	SCR-THRD.CUT .31-18X.75 HWH-1	KIT
11.	#11 (SEE CHART)	ANGLE-T TOP FRONT FILLER 17.50	2
12.	#12 (SEE CHART)	SPACER REAR POST 43 H	2
13.	#13 (SEE CHART)	BRACKET-SIDE T TOP WLDMT	2
14.	#14 (SEE CHART)	BRACKET-SIDE T TOP WLDMT	2
15.	#15 (SEE CHART)	TRACK-T TOP LOWER RFLR	2
16.	#16 (SEE CHART)	TOP-TELESCOPE REAR SECT	1
17.	#17 (SEE CHART)	TOP-TELESCOPE CTR SECT	1
18.	#18 (SEE CHART)	TOP-TELESCOPE FRT SECT	1
19.	#19 (SEE CHART)	TRACK-T TOP LOWER LFRR	2
20.	#20 (SEE CHART)	TRACK-T TOP UPPER	2
21.	70395940	LID-ASSEMBLY	1
22.	72066340	RIVET-POP AL .12 X .375 GRIP	KIT
23.	72060640	SCR-MACH 10-24X 1.50 RDH	KIT
24.	72062106	NUT 10-24 HEX NYLOCK	KIT
25.	72063000	WASHER .19 W FLAT ANSI B27.2Z	KIT
26.	72062109	NUT .31-18 HEX NYLOCK	KIT
27.	72063002	WASHER .31 FLAT	KIT
28.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z	KIT
29.	72060026	CAP SCR .31-18X 1.25 HH GR5 Z	KIT
30.	#30 (SEE CHART)	DOOR-TEL TOP WLDMT FLIP UP DOOR	1
31.	#31 (SEE CHART)	PANEL T-TOP REAR POST LR	1
33.	#33 (SEE CHART)	DOOR-TEL TOP WLDMT W-SWING WO-LTCH	1
34.	#34 (SEE CHART)	DOOR-TEL TOP WLDMT W-SWING W-LTCH	1
35.	#35 (SEE CHART)	ROD-DOOR W/.75" OFFSET TOP	1
36.	#36 (SEE CHART)	ROD-DOOR W/ 2.75" OFFSET BOTTOM	1
37.	71412598	DOOR CATCH-ASM ZINC 4" 2 PC	2
38.	#38 (SEE CHART)	PANEL T-TOP REAR POST RR	1
REV. E 20080904			

TELESCOPING TOP COMPONENT KIT INFORMATION

	MODEL	9' L 26" H	9' L 43" H	11' L 26" H	11' L 43" H	13' L 26" H	14' L 26" H	14' L 43" H
ITEM DESCRIPTION	**PART #**	**51718870**	**51718558**	**51718853**	**51718898**	**51718899**	**51718901**	**51718902**
ANGLE	#11	N/A	60128518	N/A	60128518	N/A	N/A	60128518
SPACER	#12	N/A	60126567	N/A	60126567	N/A	N/A	60126567
MTG BRACKET-SIDE	#13	52718854	52718855	52719467	52719207	52719205	52719206	52719209
MTG BRACKET-SIDE	#14	N/A	N/A	N/A	N/A	52719210	52710211	N/A
TRACK-LOWER	#15	N/A	N/A	N/A	N/A	60128597	60129092	60129092
TOP-REAR	#16	52718060	52718060	52719460	52719460	52719218	52719219	52719219
TOP-CENTER	#17	52718001	52718001	52719459	52719459	52719216	52719217	52719217
TOP-FRONT	#18	52718857	52718858	52719458	52718856	52719212	52719696	52719697
TRACK-LOWER	#19	60126570	60126570	60128898	60128898	60128596	60129091	60129091
TRACK-UPPER	#20	60126571	60126571	60128897	60128897	60128598	60129093	60129093
DOOR-HINGE UP	#30	52719461	52720957	52719461	52720957	52719461	52719461	52720957
POST-LEFT REAR	#31	60128899	60131373	60128899	60131373	60128899	60128899	60131373
DOOR-SWING W/O LATCH	#33	N/A	52720958	N/A	52720958	N/A	N/A	52720958
DOOR-SWING W/LATCH	#34	N/A	52720959	N/A	52720959	N/A	N/A	52720959
DOOR ROD-TOP	#35	60113039	60131457	60113039	60131457	60113039	60113039	60131457
DOOR ROD-BOTTOM	#36	60113039	60131458	60113039	60131458	60113039	60113039	60131458
POST-RIGHT REAR	#38	60128899	60131379	60128899	60131379	60128899	60128899	60131379
HARDWARE KIT		51719679	51719679	51719679	51719679	51719642	51719642	51719642

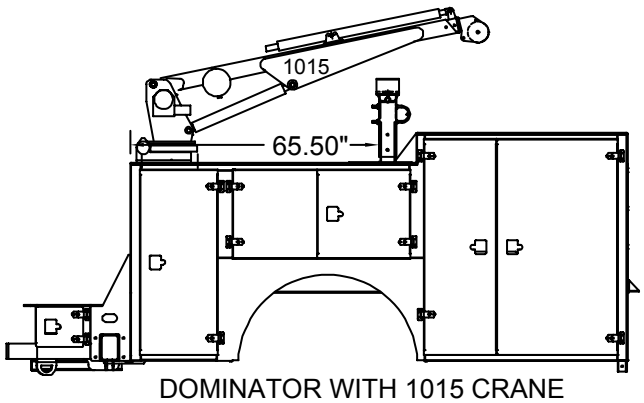
CHAPTER 8

Boom Supports

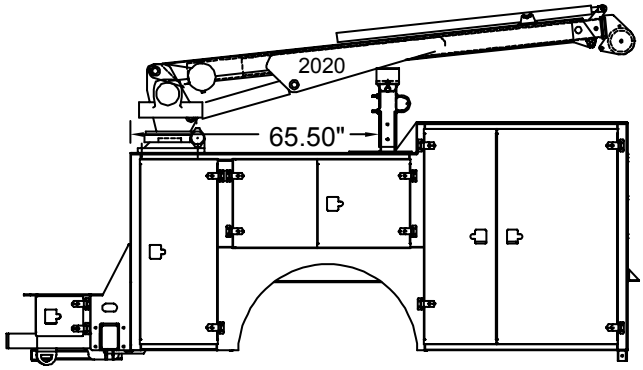
In This Chapter

Boom Support (99903633).....104
Boom Support, Adjustable, 1015 & 2020 (51718847).....105
Boom Support, Adjustable, 3820-5020-5525-6025 (51718848).....106

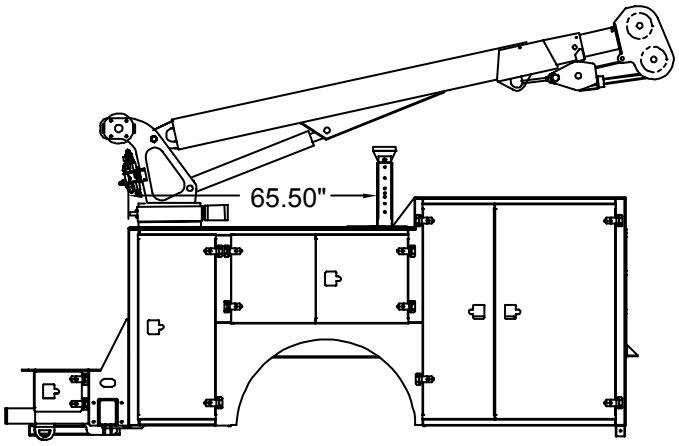
Boom Support (99903633)



DOMINATOR WITH 1015 CRANE

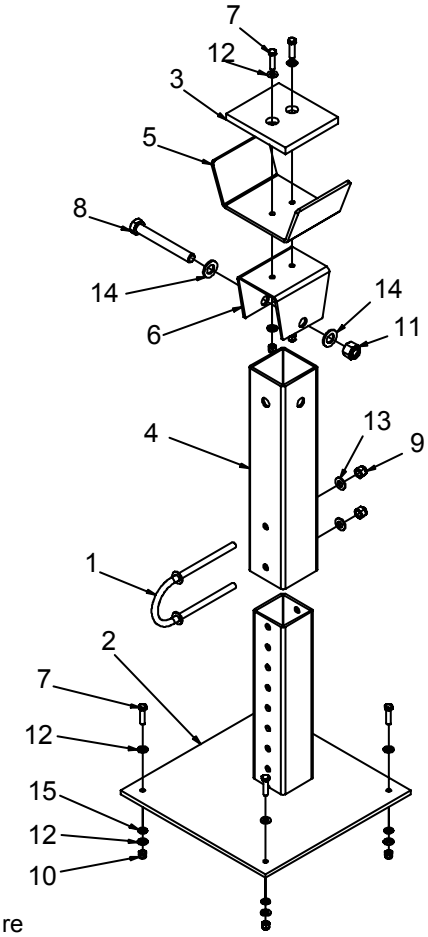


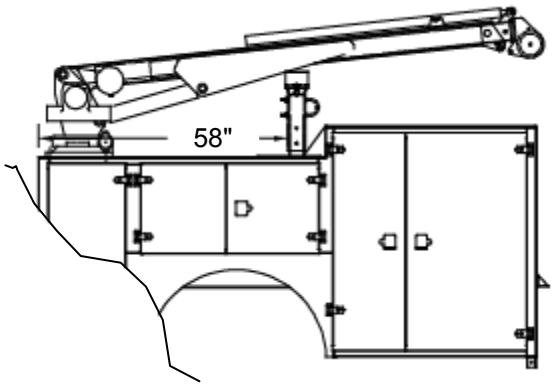
DOMINATOR WITH 2020 CRANE



DOMINATOR WITH 3820-5020-6025 CRANE

Boom Support, Adjustable, 1015 & 2020 (51718847)





POSITION BOOM SUPPORT 58" FROM REAR OF DOMINATOR SIDEPACK ASSEMBLY AS SHOWN.

re
NOTE:

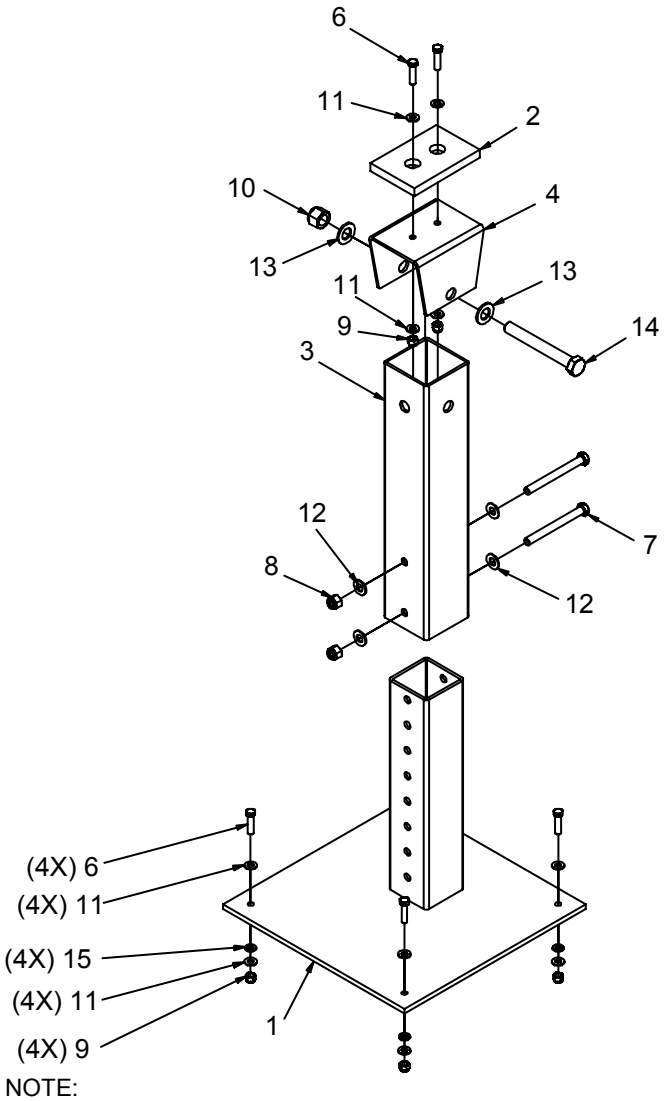
1 Hardware included in kit # 51718793.

2 Rotate and arrange pedestal #2 and saddle #5 or #6 based on chassis exhaust.

51718847 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52708158	BOLT-U ADJ BOOM SUPPORT	1
2.	52718849	PEDESTAL-WLDMT ADJ 3.5X3.5X16.88	1
3.	60030338	WEAR PAD-RC UHMW .75X4.00X6.00	1
4.	60126561	TUBE-PEDESTAL TEL 4.0X4.0X20.00	1
5.	60126562	SADDLE-BOOM SUPT 1015/2020	1
6.	60126563	SADDLE-BOOM SUPPORT DOM 3820 & UP	1
7.	72060048	CAP SCR .38-16X 1.50 HH GR5 Z	6
8.	72060193	CAP SCR .75-10X 6.00 HH GR5 Z	1
9.	72062080	NUT .50-13 HEX NYLOCK	2

51718847 PARTS LIST			
10.	72062103	NUT .38-16 HEX NYLOCK	6
11.	72062114	NUT .75-10 HEX NYLOCK	1
12.	72063003	WASHER .38 FLAT	12
13.	72063005	WASHER .50 FLAT	2
14.	72063008	WASHER .75 FLAT	2
15.	76392821	WASHER-BONDED PLTD .38	4
REV. B 20060901			

Boom Support, Adjustable, 3820-5020-5525-6025 (51718848)



NOTE:

1 Hardware included in kit # 51718794.

2 Rotate and arrange pedestal #1 and saddle #10 based on chassis exhaust.

51718848 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718849	PEDESTAL-WLDMT ADJ	1
2.	60030306	WEAR PAD	1
3.	60126561	TUBE-PEDESTAL	1
4.	60126563	SADDLE-BOOM SUPPORT DOM 3820 & UP	1
6.	72060048	CAP SCR .38-16X 1.50 HH GR5 Z	6
7.	72060101	CAP SCR .50-13X 5.00 HH GR5 Z	2
8.	72062080	NUT .50-13 HEX NYLOCK	2
9.	72062103	NUT .38-16 HEX NYLOCK	6
10.	72062114	NUT .75-10 HEX NYLOCK	1
11.	72063003	WASHER .38 FLAT (WAS 8)	12
12.	72063005	WASHER .50 FLAT	4
13.	72063008	WASHER .75 FLAT	2
14.	72601845	CAP SCR .75-10X 6.00 HH GR5 Z (WAS 72601845)	1
15.	76392821	WASHER-BONDED PLTD .38	4
REV D 20060901			

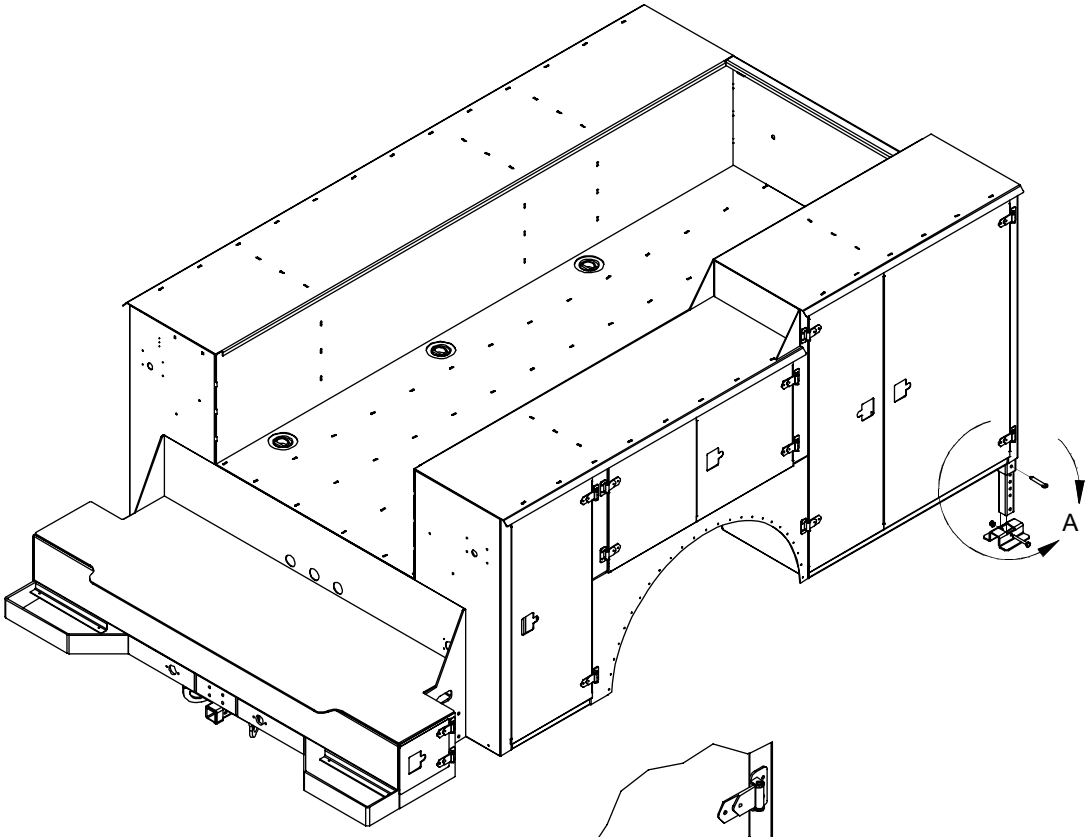
CHAPTER 9

Outriggers

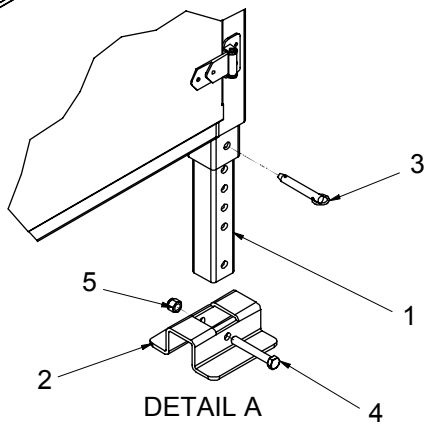
In This Chapter

Front Outriggers (51718827 / 99903671)....110
Rear Outriggers, Manual Out / Manual Down (31718953 / 99904047)....111
Rear Outriggers, Manual Out/Power Down (31718954/99904261)....113
Rear Outriggers, Power Out/Power Down (31719661/99904262)....115
Outrigger Hydraulic Installation (99904403)....117
Cylinder, Power Out (3B142860) (Effective 2-07, prior to 8-05)....119
Cylinder, Power Out (71411797) (Used 9-05 to 1-07)....120
Outrigger Assembly (51718746)....122
Outrigger Assembly, Stationary Mount (51718747)....123
Cylinder (51718751) (Thru. 9-05, Eff. 2/07)....124
Cylinder (71411796) (Eff. 10-05 through 1/07)....125
Valvebank, Power Out/Power Down (73734229) (Eff. 6-15-07)....127
Valvebank, Power Out/Power Down (73733953) (Through 6-15-07)....129
Valvebank, Manual Out/Power Down (73734228) (Eff. 6-15-07)....131
Valvebank, Manual Out/Power Down (73733958) (Through 6-15-07)....133
Outrigger Override Installation & Operation (99904272)....135

Front Outriggers (51718827 / 99903671)



PARTS ARE UNIVERSAL FOR RIGHT OR LEFT SIDE INSTALLATION

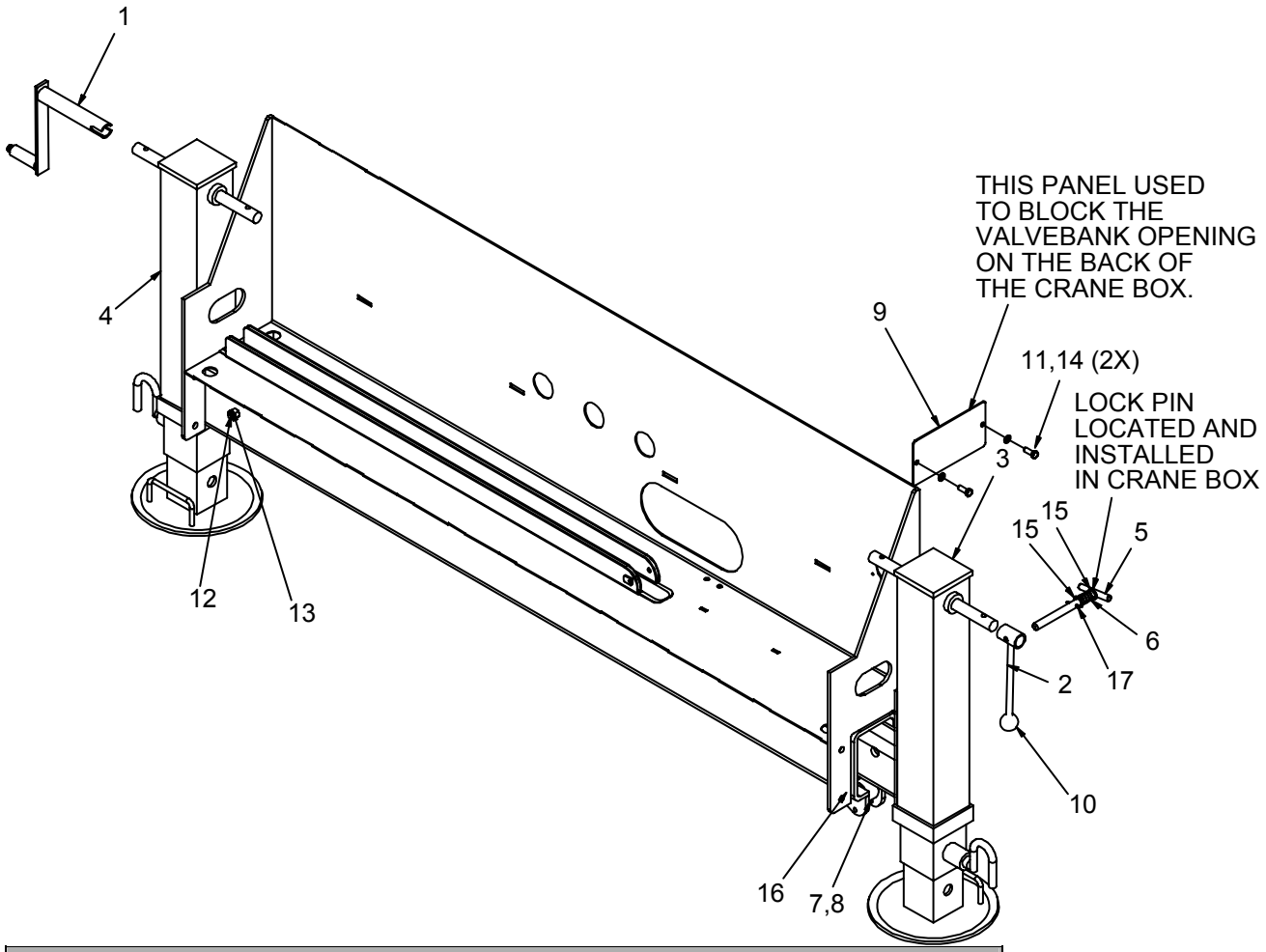


DETAIL A
SCALE 1/4

51718827 / 99903671 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60126320	OUTRG FRT TUBE EXT	1
2.	60126321	OUTRG FRT BTM PAD	1
3.	71732054	PIN-QUICK RLSE .50/2.5CRIT RNG	1
4.	72601582	CAP SCR .50-13X 3.50 HH (72601848)	1
5.	72062232	NUT .50-13 NYLOC (72062166)	1

REV. A 20050722

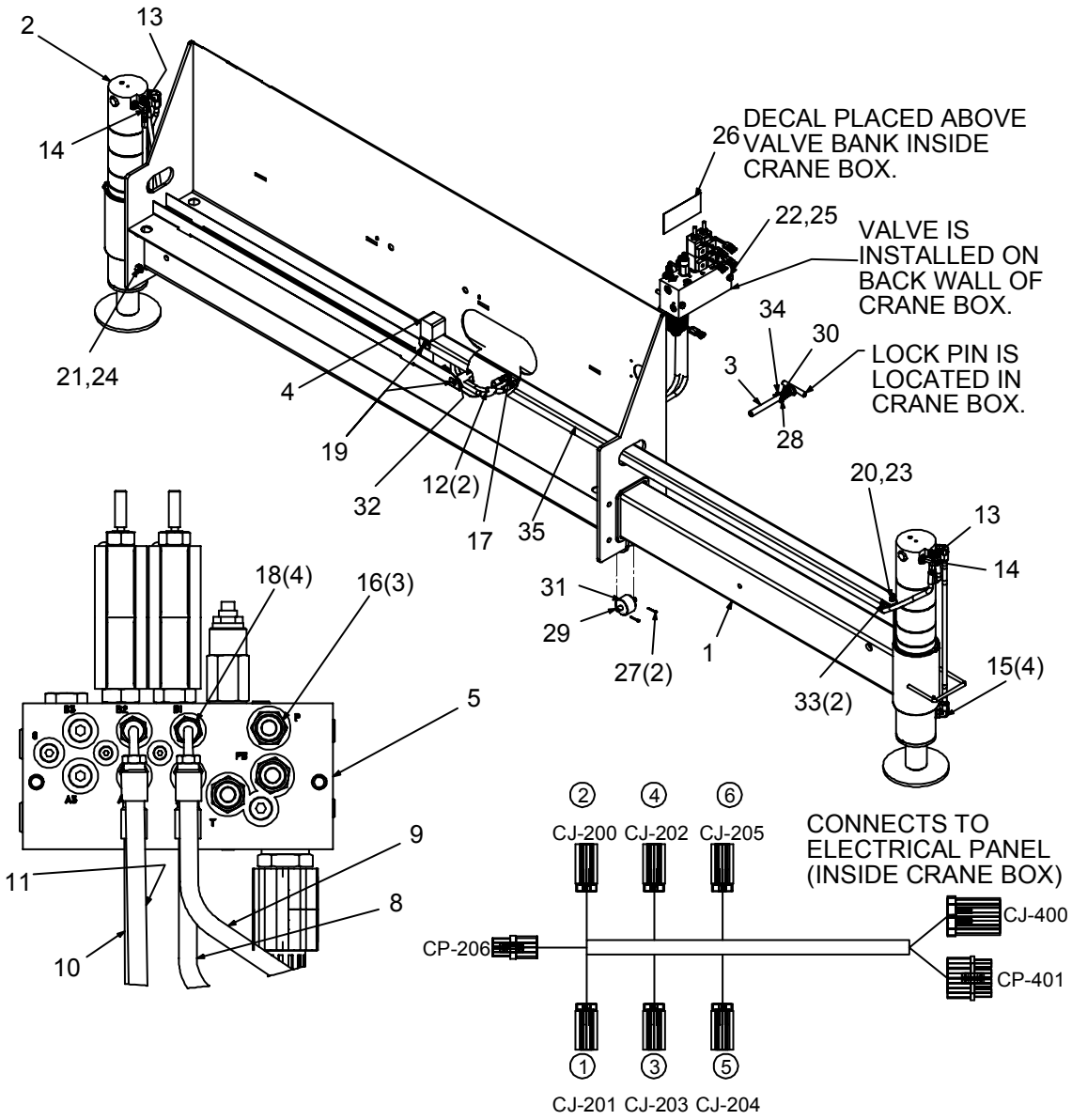
Rear Outriggers, Manual Out / Manual Down (31718953 / 99904047)



31718953 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51705040	CRANK ASM-BINKLEY OUTRG 315A	1
2.	52703319	CRANK HANDLE-BINKLEY WLDMT	1
3.	52719645	ARM-OUTRG ADJ MAN CRANK (DOM 1)	1
3.	52712737	ARM-OUTRG ADJ MAN CRANK (DOM 2)	1
4.	52719646	ARM-OUTRG STAT MAN CRANK (DOM 1)	1
4.	52712738	ARM-OUTRG STAT MAN CRANK 7X5 (DOM 2)	1
5.	52719747	PIN-WLDMT (DOM 1)	1
5.	52718725	PIN-WLDMT (DOM 2)	1
6.	60010351	SPRING	1

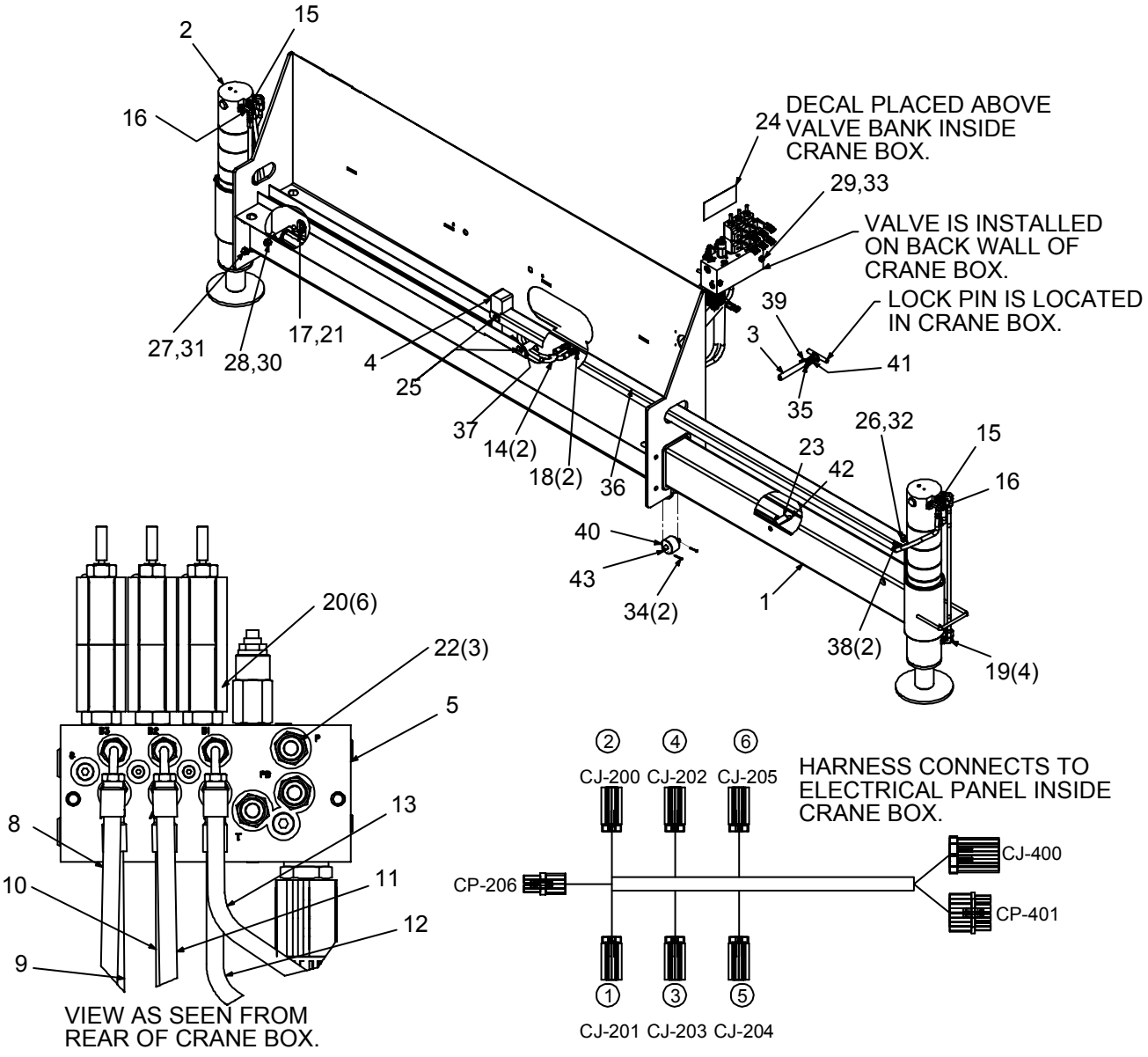
31718953 PARTS LIST			
7.	60030053	ROLLER-UHMW .50 X 2.00 X 1.38 LG	2
8.	60106314	PIN	2
9.	60127906	PANEL-CRANE BOX VALVE BLOCK COVER	1
10.	71039096	KNOB-CONTROL 1.50 BLK	1
11.	72060046	CAP SCR .38-16X 1.00 HH GR5 Z	2
12.	72601297	CAP SCR .50-13X 5.75 HH GR5 Z (DOM 2)	1
12.	72060101	CAP SCR .50-13X 5.00 HH GR5 Z (DOM I)	1
13.	72062080	NUT .50-13 HEX NYLOCK	1
14.	72063051	WASHER .38 LOCK	2
15.	72063028	MACHY BUSHING .75X14 GA NR (WAS 72063027)	2
16.	72066178	COTTER PIN .12X1.00 PLAIN	4
17.	72066185	COTTER PIN .16X1.00 PLAIN	1
NEW 20060523			

Rear Outriggers, Manual Out/Power Down (31718954/99904261)



31718954 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51718746	OUTRIGGER ASM EXTENSION (DOM 2)	1
2.	51718747	OUTRIGGER ASM STATIONARY MOUNT (DOM 2)	1
3.	52718725	PIN-WLDMT - T (DOM 2)	1
4.	60030356	WEAR PAD-RC 2.00 X 2.00 X 5.00	1
4.	60030355	WEAR PAD-RC 2.00 X 2.00 X 6.75	1
5.	73734228	VALVE BANK 2 SEC W/SOLENOIDS (WAS 73733958 THROUGH 6-15-07)	1
6.	77441134	HARNESS-DOM(II) OUTRIGGER	REF
7.	51720994	KIT HOSE MANUAL OUT HYD OUTRIGGERS	REF
8.	51397096	HOSE-FJ .25 X 107.50 OAL (4-6) 100R17	1
9.	51397099	HOSE-FZ .25 X 108.00 OAL (4-6) 100R17	1
10.	51397097	HOSE-FJ .25 X 38.00 OAL (4-6) 100R17	1
11.	51397098	HOSE-FZ .25 X 42.00 OAL (4-6) 100R17	1
12.	51396821	HOSE-FF .25 X 96.00 (4-4) 100R2	2
13.	72053758	ELBOW-M STR/90/M JIC 4 4	2
14.	72533567	ELBOW-M STR/M JIC XLG 4 4	2
15.	72053763	ELBOW-M STR/90/M JIC 8 8	REF
16.	72532358	ADPTR-M STR/M JIC 8 8	3
17.	72533590	ELBOW-M JIC/90/M JIC 4 4 BLKHD	2
18.	72532355	ADPTR-M STR/M JIC 6 6	4
19.	72060031	CAP SCR .31-18X 2.50 HH GR5 Z	2
20.	72060026	CAP SCR .31-18X 1.25 HH GR5 Z	1
21.	72060117	CAP SCR .50-13X 1.50 HH GR8 Z	4
22.	72060056	CAP SCR .38-16X 4.00 HH GR5 Z	2
23.	72062109	NUT .31-18 HEX NYLOCK	1
24.	72062232	NUT .50-13 HEX TOP LOCK GR8 Z	4
25.	72063051	WASHER .38 LOCK	2
26.	70398872	DECAL-OUTRIGGER MANUAL OVERRIDE (WAS 70397215 THROUGH 12-2009)	1
27.	72066178	COTTER PIN .12X1.00 PLAIN	2
28.	72066185	COTTER PIN .16X1.00 PLAIN	1
29.	60106314	PIN-TYPE O .50X 2.88 (2.63)	1
30.	60010351	SPRING-COMPRESSION .062 X 1.50 X .845OD	1
31.	60030053	ROLLER-UHMW .50 X 2.00 X 1.38 LG	1
32.	60030354	CAM CLAMP 1.00 DIA. X 2.00	1
33.	72661621	CLAMP- .62 LOOP CUSHIONED	2
34.	72063028	MACHY BUSHING .75X14 GA NR	2
35.	52719342	WLDMT CHANNEL HOSE CARRIER	1
REV B 20100322			

Rear Outriggers, Power Out/Power Down (31719661/99904262)

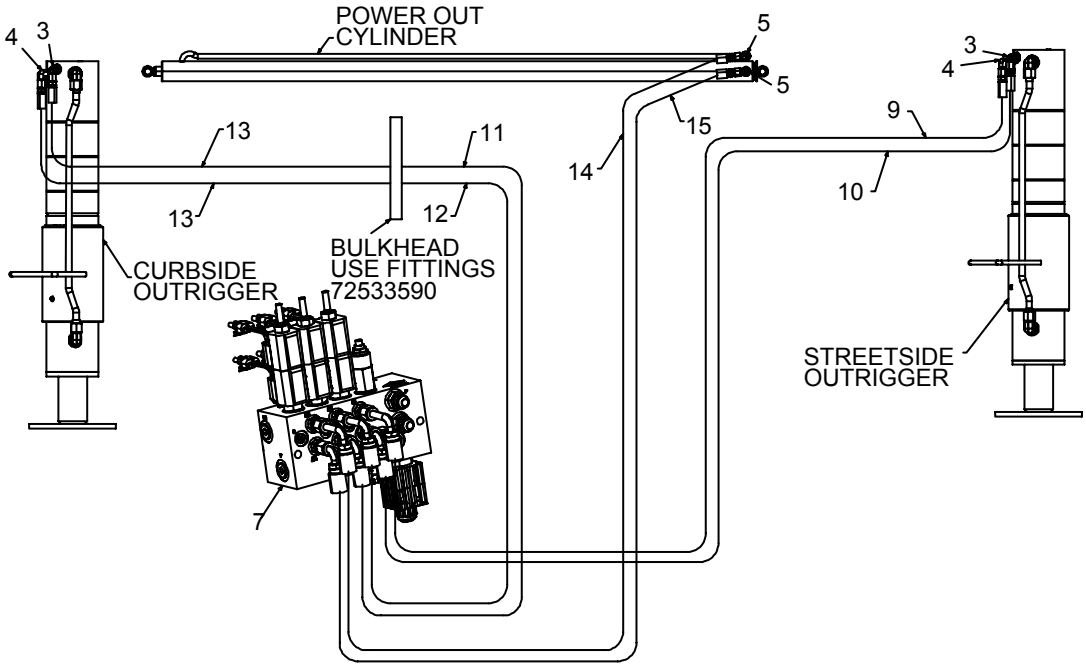


31719661 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51718746	OUTRIGGER ASM EXTENSION (DOM 2)	1
2.	51718747	OUTRIGGER ASM STATIONARY MOUNT (DOM 2)	1
3.	52718725	PIN	1

31719661 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
4.	60030356	WEAR PAD-RC 2.00 X 2.00 X 5.00	1
4.	60030355	WEAR PAD-RC 2.00 X 2.00 X 6.75	1
5.	73734229	VALVE BANK 3 SEC W/SOLENOIDS (WAS 73734229 THROUGH 6-15-07)	1
6.	77441134	HARNESS-OUTRIGGER	REF
7.	51720995	KIT HOSE POWER OUT HYD OUTRIGGERS	REF
8.	51397101	HOSE-FZ .25 X 82.00 OAL (4-6) 100R17	1
9.	51397100	HOSE-FJ .25 X 82.00 OAL (4-6) 100R17	1
10.	51397097	HOSE-FJ .25 X 38.00 OAL (4-6) 100R17	1
11.	51397098	HOSE-FZ .25 X 42.00 OAL (4-6) 100R17	1
12.	51397096	HOSE-FJ .25 X 107.50 OAL (4-6) 100R17	1
13.	51397099	HOSE-FZ .25 X 108.00 OAL (4-6) 100R17	1
14.	51396821	HOSE-FF .25 X 96.00 (4-4) 100R2	2
15.	72053758	ELBOW-M STR/90/M JIC 4 4	2
16.	72533567	ELBOW-M STR/M JIC XLG 4 4	2
17.	72532690	ELBOW-M JIC/F JIC SW 4 4	2
18.	72533590	ELBOW-M JIC/90/M JIC 4 4 BLKHD	2
19.	72053763	ELBOW-M STR/90/M JIC 8 8	4
20.	72532355	ADPTR-M STR/M JIC 6 6	6
21.	72532351	ADPTR-M STR/M JIC 4 4	2
22.	72532358	ADPTR-M STR/M JIC 8 8	3
23.	3B142860	CYL-1.2/ .7 42.00S 50.00CC C	1
24.	70398872	DECAL-OUTRIGGER MANUAL OVERRIDE (WAS 70397215 THROUGH 12-2009)	1
25.	72060031	CAP SCR .31-18X 2.50 HH GR5 Z	2
26.	72060026	CAP SCR .31-18X 1.25 HH GR5 Z	1
27.	72060117	CAP SCR .50-13X 1.50 HH GR8 Z	4
28.	72601297	CAP SCR .50-13X 5.75 HH GR5 Z	1
29.	72060056	CAP SCR .38-16X 4.00 HH GR5 Z	2
30.	72062080	NUT .50-13 HEX NYLOCK	1
31.	72062232	NUT .50-13 HEX TOP LOCK GR8 Z	4
32.	72062109	NUT .31-18 HEX NYLOCK	1
33.	72063051	WASHER .38 LOCK	2
34.	72066178	COTTER PIN .12X1.00 PLAIN	4
35.	72066185	COTTER PIN .16X1.00 PLAIN	1
36.	52719342	WLDMT CHANNEL HOSE CARRIER	1
37.	60030354	CAM CLAMP 1.00 DIA. X 2.00	1
38.	72661621	CLAMP- .62 LOOP CUSHIONED	2
39.	72063028	MACHY BUSHING .75X14 GA NR	2
40.	60030053	ROLLER-UHMW .50 X 2.00 X 1.38 LG	2
41.	60010351	SPRING-COMPRESSION .062 X 1.50 X .845OD	1
42.	72661472	ROLL PIN .50X4.00	1
43.	60106314	PIN-TYPE O .50X 2.88 (2.63)	2
REV C 20100325			

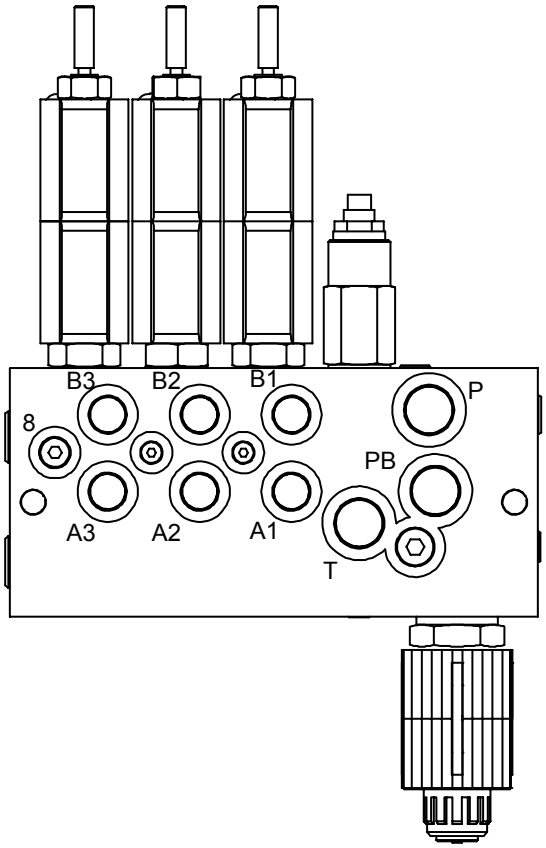
Outrigger Hydraulic Installation (99904403)

99904403-1 Drawing



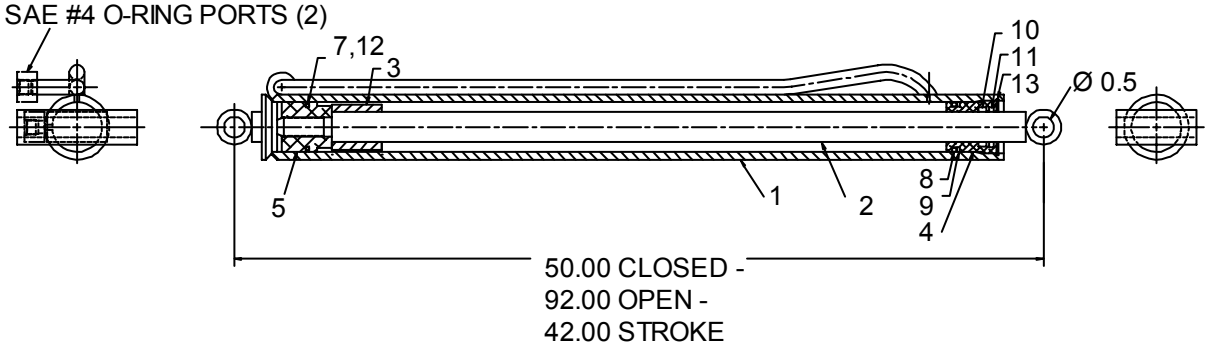
99904403-1 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51720994	KIT HOSE MANUAL OUT HYD OUTRIGGERS	REF
2.	51720995	KIT HOSE POWER OUT HYD OUTRIGGERS	REF
3.	72053758	ELBOW-M STR/90/M JIC 4 4	2
4.	72533567	ELBOW-M STR/M JIC XLG 4 4	2
5.	72532690	ELBOW-M JIC/90/F JIC SW 4 4	2
6.	72533590	ELBOW-M JIC/90/M JIC 4 4 BLKHD	2
7.	73734229	VALVE BANK 3 SEC W/SOLENOIDS DOM OUTRIG	1
8.	73734228	VALVE BANK 2 SEC W-SOLENOIDS DOM OUTRIG	1
9.	51397099	HOSE-FZ .25 X 108.00 (4-6) 100R17	1
10.	51397096	HOSE-FJ .25 X 107.50 (4-6) 100R17	1
11.	51397098	HOSE-FZ .25 X 42.00 (4-6) 100R17	1
12.	51397097	HOSE-FJ .25 X 38.00 (4-6) 100R17	1
13.	51396821	HOSE-FF .25 X 96.00 (4-4) 100R2	1
14.	51397101	HOSE-FZ .25 X 82.00 (4-6) 100R17	1
15.	51397100	HOSE-FJ .25 X 82.00 (4-6) 100R17	1
NEW 20080613			

99904403-2 Drawing



ITEM	DESCRIPTION	PORT SIZE
B3	POWER OUT CYLINDER RETURN	-6
A3	POWER OUT CYLINDER PRESSURE	-6
B2	CURB SIDE POWER DOWN RETURN	-6
A2	CURB SIDE POWER DOWN PRESSURE	-6
B1	STREET SIDE POWER DOWN RETURN	-6
A1	STREET SIDE POWER DOWN PRESSURE	-6
T	TANK PORT	-8
PB	POWER BEYOND PORT	-8
P	PRESSURE PORT	-8

Cylinder, Power Out (3B142860) (Effective 2-07, prior to 8-05)



NOTES:

1 REPLACE ALL COMPONENTS OF THE SEAL KIT WHENEVER THE CYLINDER IS DISASSEMBLED. THIS WILL REDUCE FUTURE DOWNTIME.

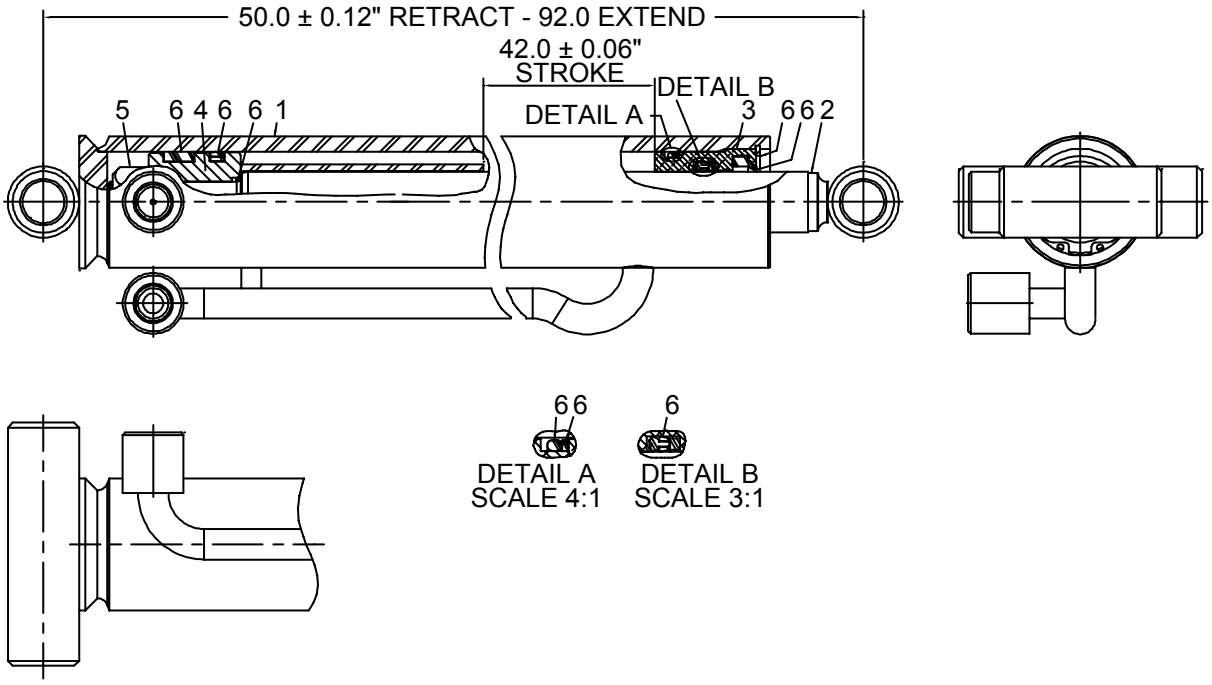
2 APPLY REGULAR GRADE ANTI-SEIZE AND LUBRICATING COMPOUND TO THE THREADS ON THE CYLINDER HEAD ONLY. KEEP AWAY FROM ALL SEALS.

3 APPLY "LUBRIPLATE" NO. 630-2 MEDIUM HEAVY, MULTI-PURPOSE LUBRICANT, TO ALL PISTON HEAD GLAND AND HOLDING VALVE SEALS, NYLON LOCK RING, CAST IRON PISTON RINGS, AND ROD STINGER THREADS.

3B142860 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	4B142860	CASE ASM	1
2.	4G142860	ROD ASM	1
3.	6C125007	STOP TUBE	1
4.	6H012007	HEAD	1
5.	6I012050	PISTON	1
6.	9B050608	SEAL KIT	REF
7.	7Q072021	O-RING	1
8.	7Q072214	O-RING	1
9.	7Q10P214	BACKUP RING	1
10.	7R100750	U-CUP SEAL	1
11.	7R13P007	ROD WIPER	1
12.	7T66P012	PISTON SEAL	1
13.	72066029	RETAINING RING	1

REV. B 20040202

Cylinder, Power Out (71411797) (Used 9-05 to 1-07)



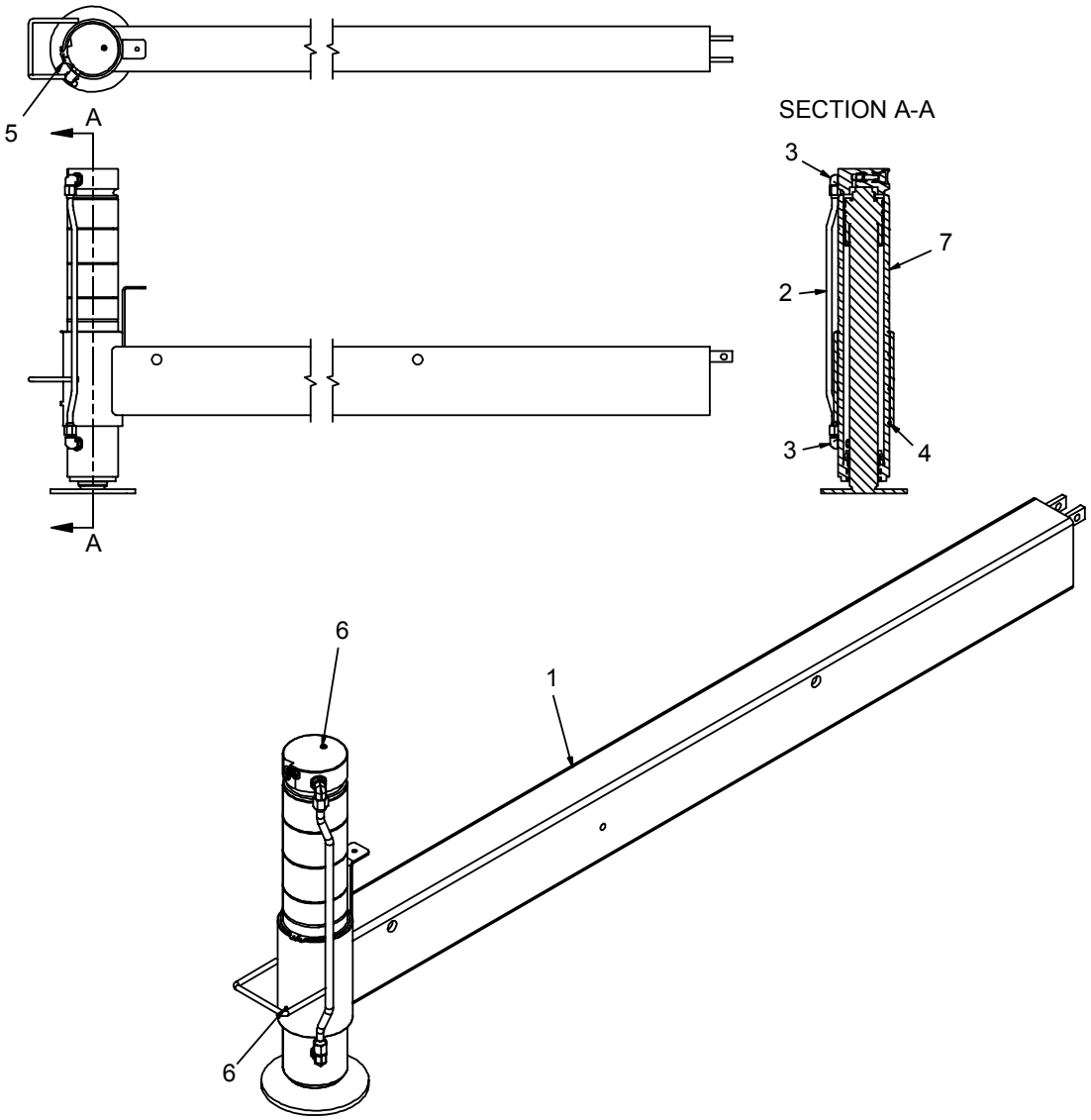
NOTES:

1 TO REDUCE DOWNTIME, REPLACE ALL COMPONENTS OF THE SEAL KIT WHENEVER THE CYLINDER IS DISASSEMBLED.

71411797 CYLINDER DATA	
EXTENDED	1.23 IN², 0.22 GAL
RETRACTED	0.79 IN², 0.14 GAL
CASE	1.25 BORE X ø1.63
ROD	ø 0.750
DRY WEIGHT	19.7 LB
TEST PRESSURE	3000 PSI
OPERATING PRESSURE	2500 PSI
PORTS	SAE #4 O-RING BOSS (7/16-20 UNF-2B)
CYLINDER TUBE BURST PRESSURE	20,000 PSI
TORQUE	TORQUE LOCKNUT (#6) WITH THREADLOCK COMPOUND TO 35-40 FT-LB

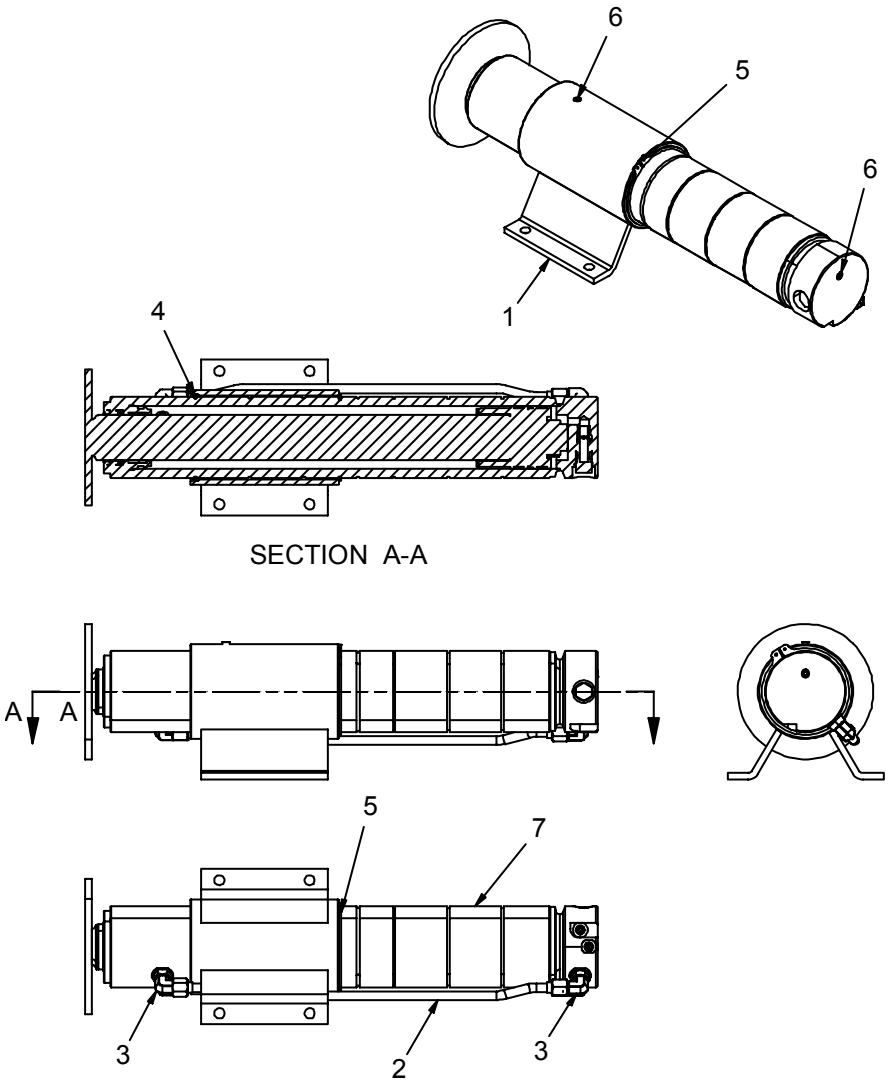
71411797 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	71411933	CASE WELDMENT	1
2.	71411934	ROD WELDMENT	1
3.	71411935	HEAD GLAND	1
4.	71411936	PISTON	1
5.	-REF-	LOCKNUT 1-14 UNS	1
6.	94396794	SEAL KIT	1
NEW 20051010			

Outrigger Assembly (51718746)



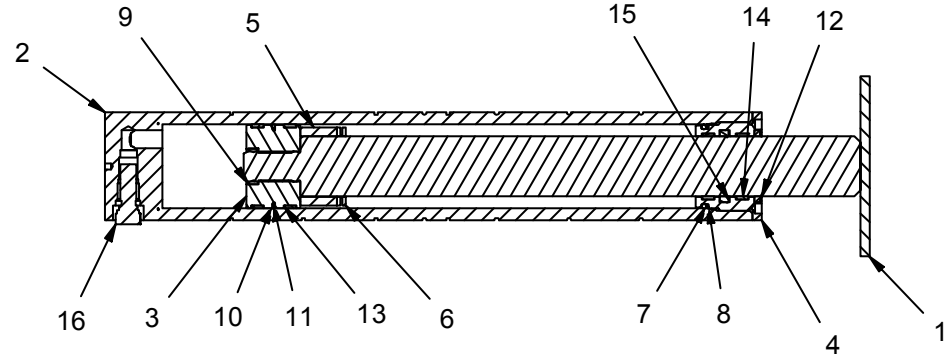
51718746 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718749	OUTRIGGER WELDMENT- SLIDEOUT ASM	1
2.	5P288970	PORT TUBE- 0.50 OD X 20.67 LG	1
3.	72053763	ELBOW-M STR/90/M JIC 8 8	2
4.	71411151	RING-LOCK DOMINATOR OUTRIGGER	1
5.	71411152	RETAINING RING-4.50 DIA X .120	1
6.	72601851	SET SCR-SS .38-16X .50 SOC HEAD	2
7.	51718751	CYLINDER-3.50 BORE X 18.00S 28.38CC O.R (WAS 71411796 THRU 1/07)	1
REV. F 20070313			

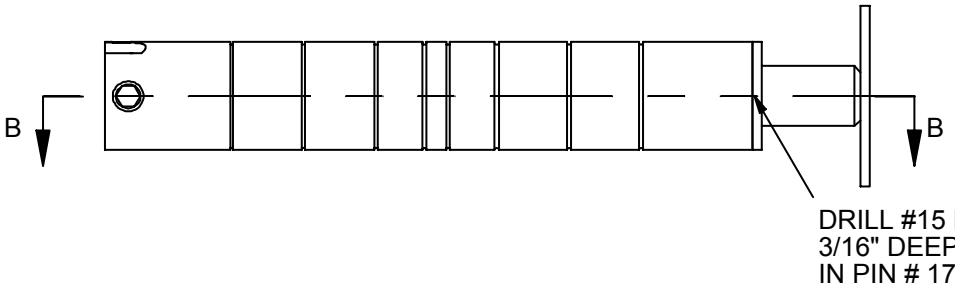
Outrigger Assembly, Stationary Mount (51718747)



51718747 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718750	OUTRIGGER MOUNT WELDMENT	1
2.	5P288970	PORT TUBE- 0.50 OD X 20.67 LG	1
3.	72053763	ELBOW-M STR/90/M JIC 8 8	2
4.	71411151	RING-LOCK DOMINATOR OUTRIGGER	1
5.	71411152	RETAINING RING-4.50 DIA X .120	1
6.	72601851	SET SCR-SS .38-16X .50 SOC HEAD	2
7.	51718751	CYLINDER-3.50 BORE X 18.00S 28.38CC O.R (WAS 71411796 THRU 1/07)	1
REV. E 20070313			

Cylinder (51718751) (Thru. 9-05, Eff. 2/07)





NOTES:

1 REPLACE ALL COMPONENTS OF THE SEAL KIT WHENEVER THE CYLINDER IS DISASSEMBLED. THIS WILL REDUCE FUTURE DOWNTIME.

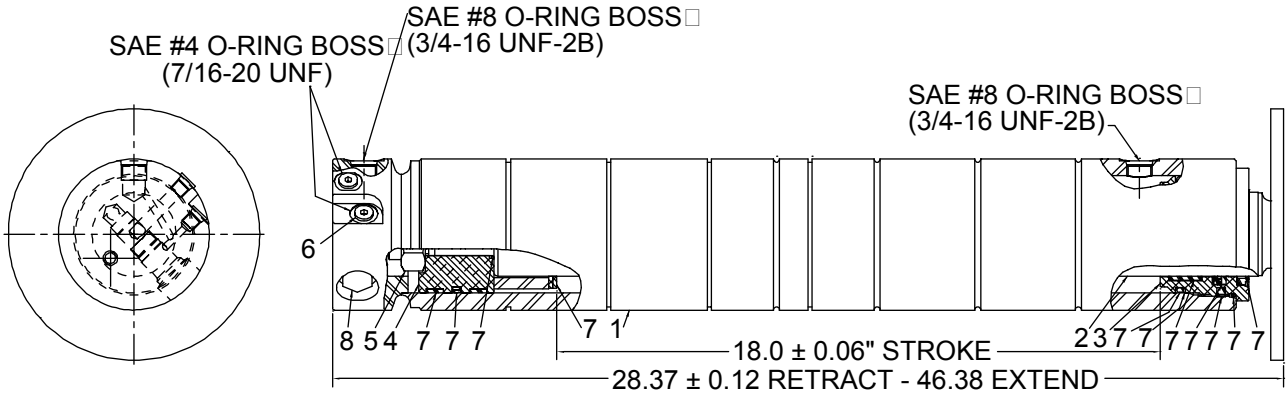
2 APPLY REGULAR GRADE ANTI-SEIZE AND LUBRICATING COMPOUND TO THREADS ON CYLINDER HEAD ONLY. KEEP AWAY FROM ALL SEALS.

3 APPLY "LUBRIPLATE" NO. 630-2 MEDIUM HEAVY, MULTI-PURPOSE LUBRICANT, TO ALL PISTON, HEAD GLAND, AND HOLDING VALVE SEALS, NYLON LOCK RING, CAST IRON PISTON RINGS, AND ROD STINGER THREADS.

51718751 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	4G048870	ROD ASSEMBLY	1
2.	52718748	CASE ASSEMBLY	1
3.	6ID35125	PISTON	1
4.	6HD35025	HEAD	1
5.	6c015025	STOP TUBE	1
6.	6A025025	WAFER LOCK	1
7.	7Q072338	O RING 3.12X 3.50X .19 70	1
8.	7Q10P338	BACKUP RING-3.12 ID X 3.50 OD	1
9.	7t61n125	LOCK RING-NYLON 1.25	1
10.	7T66P035	PISTON SEAL	1

51718751 PARTS LIST			
11.	7Q072151	O RING 3.00X 3.19X .09 70	1
12.	7R14P025	ROD WIPER-TYPE D 2.25 ROD	1
13.	7T2N4035	WEAR RING-PISTON 3.50X3.25X.5	2
14.	7T2NX427	WEAR RING-ROD 2.50 ID X 0.50W HAL	2
15.	7R546025	U-CUP LOADED 2.50X3.00X.38 "B	1
16.	73054681	VALVE-CHECK PILOT/OPEN NONVENT	1
17.	60125699	LOCKING PIN	1
	9C142020	SEAL KIT	REF
REV. A 20071004			

Cylinder (71411796) (Eff. 10-05 through 1/07)



NOTES:

1 TO REDUCE DOWNTIME, REPLACE ALL COMPONENTS OF THE SEAL KIT WHENEVER THE CYLINDER IS DISASSEMBLED.

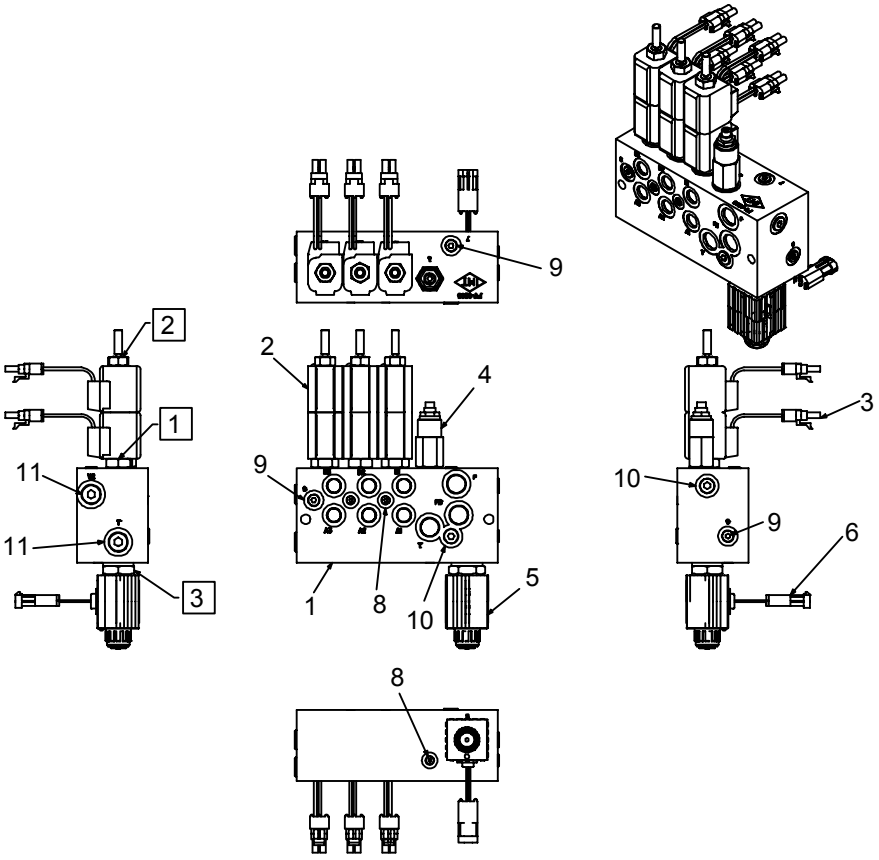
71411796 CYLINDER DATA	
EXTENDED	9.62 IN², 0.75 GAL
RETRACTED	4.71 IN², 0.37 GAL
CASE	3.50 BORE X ø4.50
ROD	ø2.50
DRY WEIGHT	90.7 LB
TEST PRESSURE	3500 PSI
OPERATING PRESSURE	3000 PSI
PORTS	SAE #8 O-RING BOSS (3/4-16 UNF-2B) (QTY 2) AND SAE #4 O-RING BOSS (7/16-20 UNF-2B) (QTY 2)
CYLINDER TUBE BURST PRESSURE	19,380 PSI
TORQUES	TORQUE LOCKNUT (#5) WITH THREADLOCK COMPOUND TO 500-550 FT-LB USING LOCTITE GRADE 271 OR EQUIVALENT.
	TORQUE O-RING BOSS PLUG (#6) WITH THREADLOCK COMPOUND TO 10-12 FT-LB USING LOCTITE GRADE 243 OR EQUIVALENT.
	TORQUE HEAD GLAND (#3) TO 250-300 FT-LB.
	TORQUE CHECK VALVE TO 30-35 FT-LB.

71411796 CYLINDER DATA			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	71411929	CASE WELDMENT	1
2.	71411930	ROD WELDMENT	1
3.	71411931	HEAD GLAND	1
4.	71411932	PISTON	1
5.	REF	LOCKNUT, 1.25-12 UNF	1
6.	REF	PLUG, #4 STEEL HEX HOL	2
7.	94396793	SEAL KIT	1
8.	73054681	CHECK VALVE PO	1

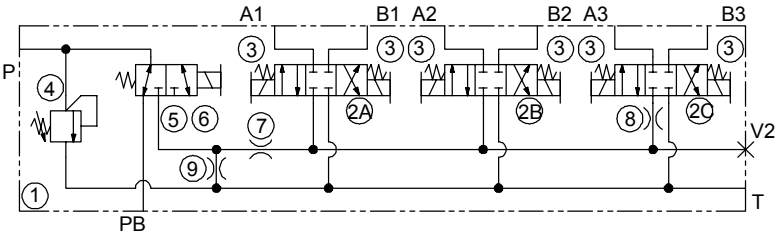
NEW 20051011

Valvebank, Power Out/Power Down (73734229) (Eff. 6-15-07)

NOTE: EFFECTIVE S/N DOMS2S071385.



73734229 SCHEMATIC



NOTES (SEE REFERENCE NUMBER IN BOX):

1 TORQUE TO 25 FT-LB.

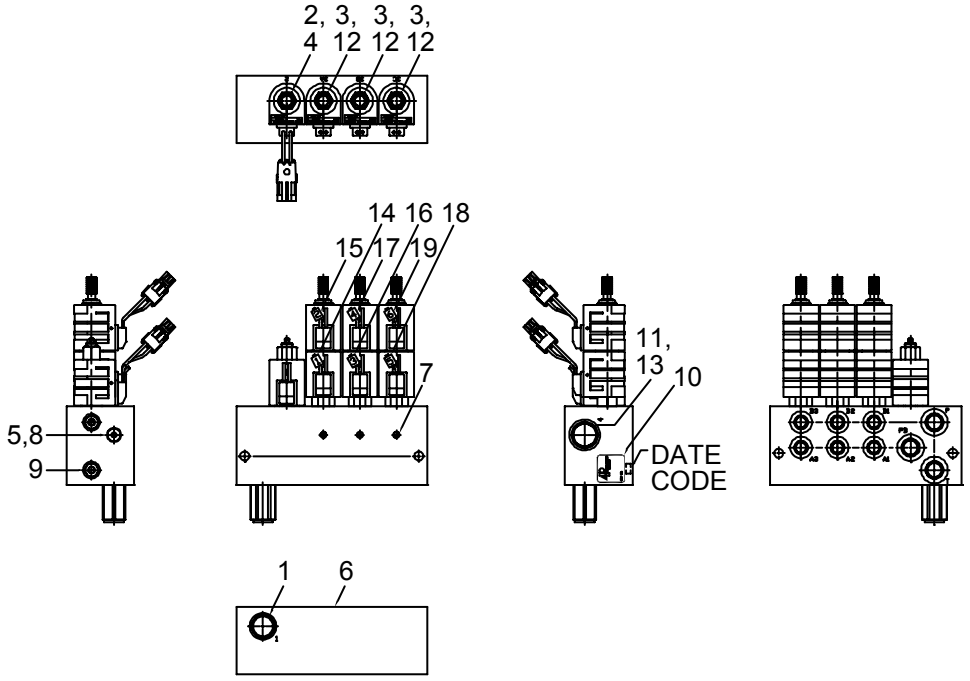
2 TORQUE TO 3 FT-LB.

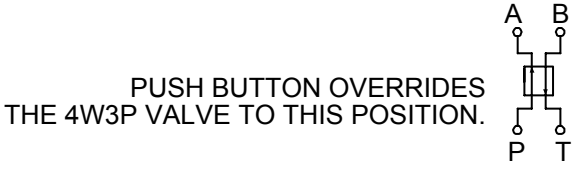
3 TORQUE TO 90 FT-LB.

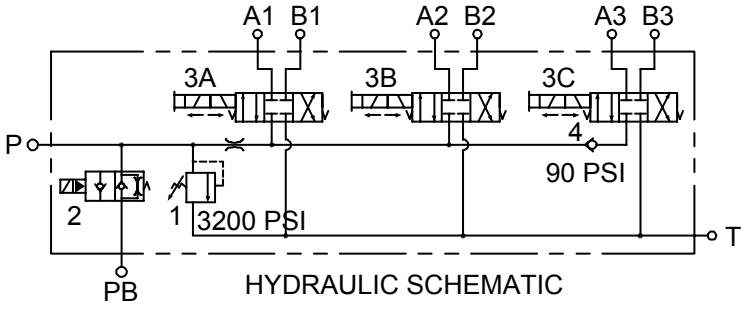
73734229 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73734229	VALVE BANK 3 SEC W/SOLENOIDS DOM OUTRIG	1
2.	73540271	VALVE-SOLENOID (INCLUDES 2 OF ITEM 77040498)	3
3.	77040498	COIL-12VDC LEAD WIRE	6
4.	73540269	VALVE-RELIEF 3200 PSI	1
5.	73540270	VALVE-SOLENOID SOFT SHIFT (INCLUDES ITEM 77040499)	1
6.	77040499	COIL-12VDC 36W LEADWIRE	1
7.	-	MANIFOLD	1
8.	-	SAE -2 PLUG	3
9.	-	SAE -4 PLUG	3
10.	-	SAE -6 PLUG	2
11.	-	SAE -8 PLUG	2
NEW 20070626			

Valvebank, Power Out/Power Down (73733953) (Through 6-15-07)

NOTE: EFFECTIVE THROUGH S/N DOMS2S071384.





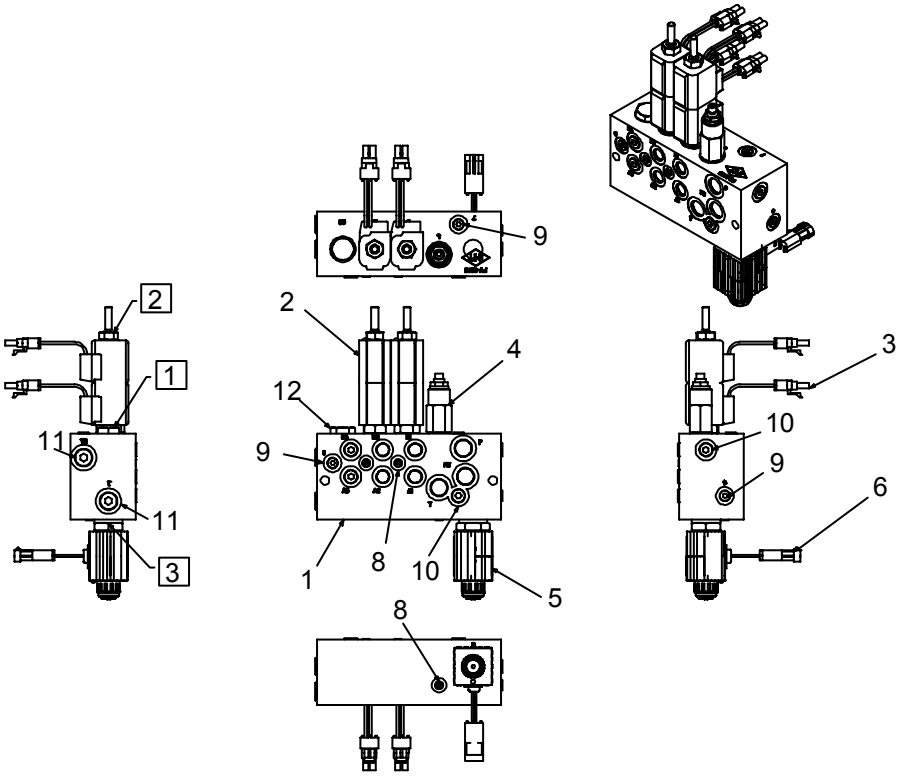


HYDRAULIC SCHEMATIC

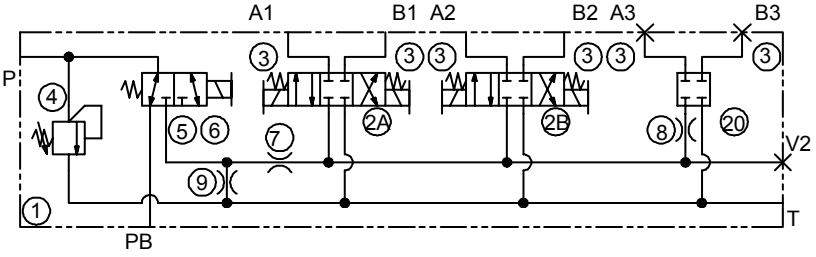
73733953 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73540183	VALVE, RELIEF 3000 PSI	1
2.	73540184	VALVE, POPPET	1
3.	73540185	VALVE, SPOOL	3
4.	77040477	COIL, 12V	1
5.	72534430	PLUG, ORIFICE	1
6.		MANIFOLD	1
7.		PLUG, EXPANDER	3
8.		PLUG, SAE #4	1
9.		PLUG, SAE #6	2
10.		NAME PLATE	1
11.	73540182	CHECK VALVE	1
12.	77040476	COIL, 12VDC	6
13.	73540181	ORIFICE DISK, 0.046 DIA	1
14-19		WIRE MARKERS	1REF
		PLASTIC PLUG, SAE #8	3

Valvebank, Manual Out/Power Down (73734228) (Eff. 6-15-07)

NOTE: EFFECTIVE S/N DOMS2S071385.



73734228 SCHEMATIC



NOTES (IF TIED TO DRAWING, SEE REFERENCE NUMBER IN □):

1 TORQUE TO 25 FT-LB.

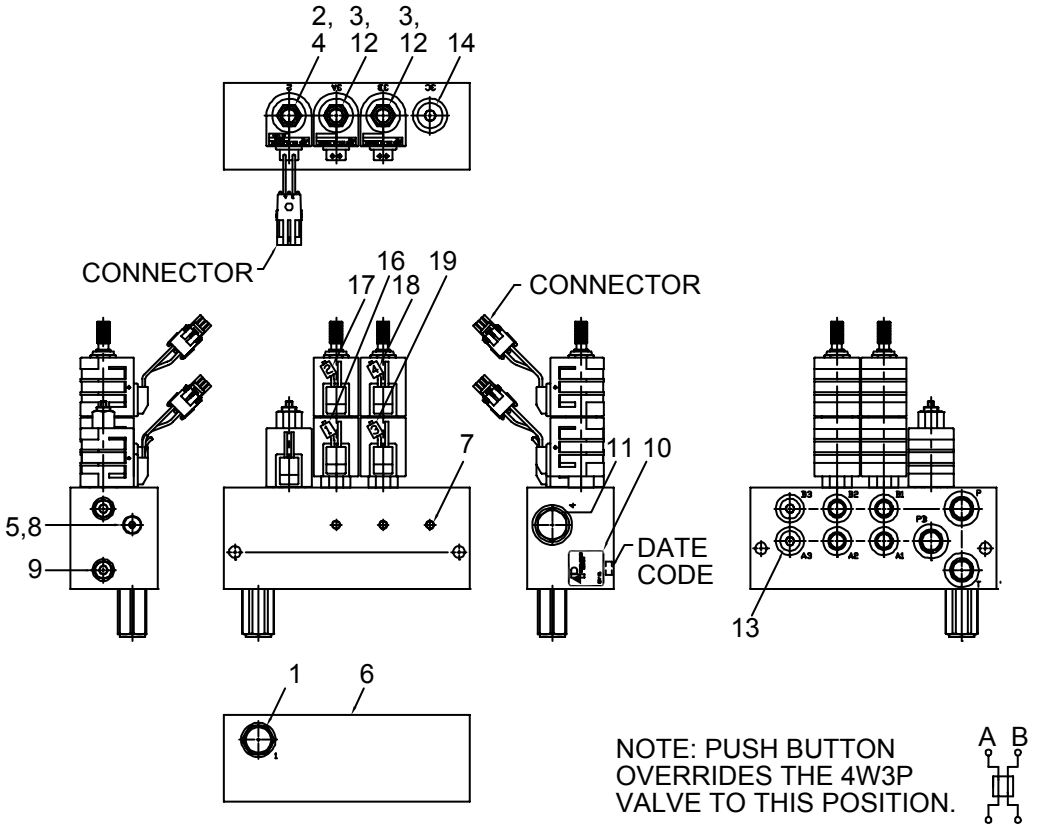
2 TORQUE TO 3 FT-LB.

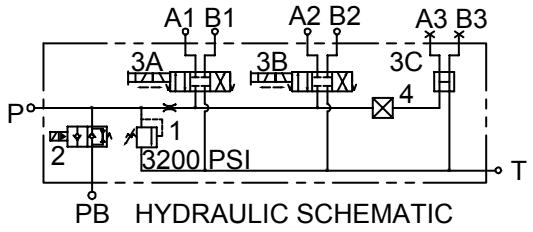
3 TORQUE TO 90 FT-LB.

73734228 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73734228	VALVE BANK 2 SEC W/SOLENOIDS OUTRIG	1
2.	73540271	VALVE-SOLENOID (INCLUDES 2 OF ITEM 77040498)	2
3.	77040498	COIL-12VDC LEAD WIRE	4
4.	73540269	VALVE-RELIEF 3200 PSI	1
5.	73540270	VALVE-SOLENOID SOFT SHIFT (INCLUDES ITEM 77040499)	1
6.	77040499	COIL-12VDC 36W LEADWIRE	1
7.	-	MANIFOLD	1
8.	-	SAE -2 PLUG	3
9.	-	SAE -4 PLUG	3
10.	-	SAE -6 PLUG	2
11.	-	SAE -8 PLUG	2
12.	72534497	PLUG-CAVITY	1
NEW 20070626			

Valvebank, Manual Out/Power Down (73733958) (Through 6-15-07)

NOTE: EFFECTIVE THROUGH S/N DOMS2S071384.



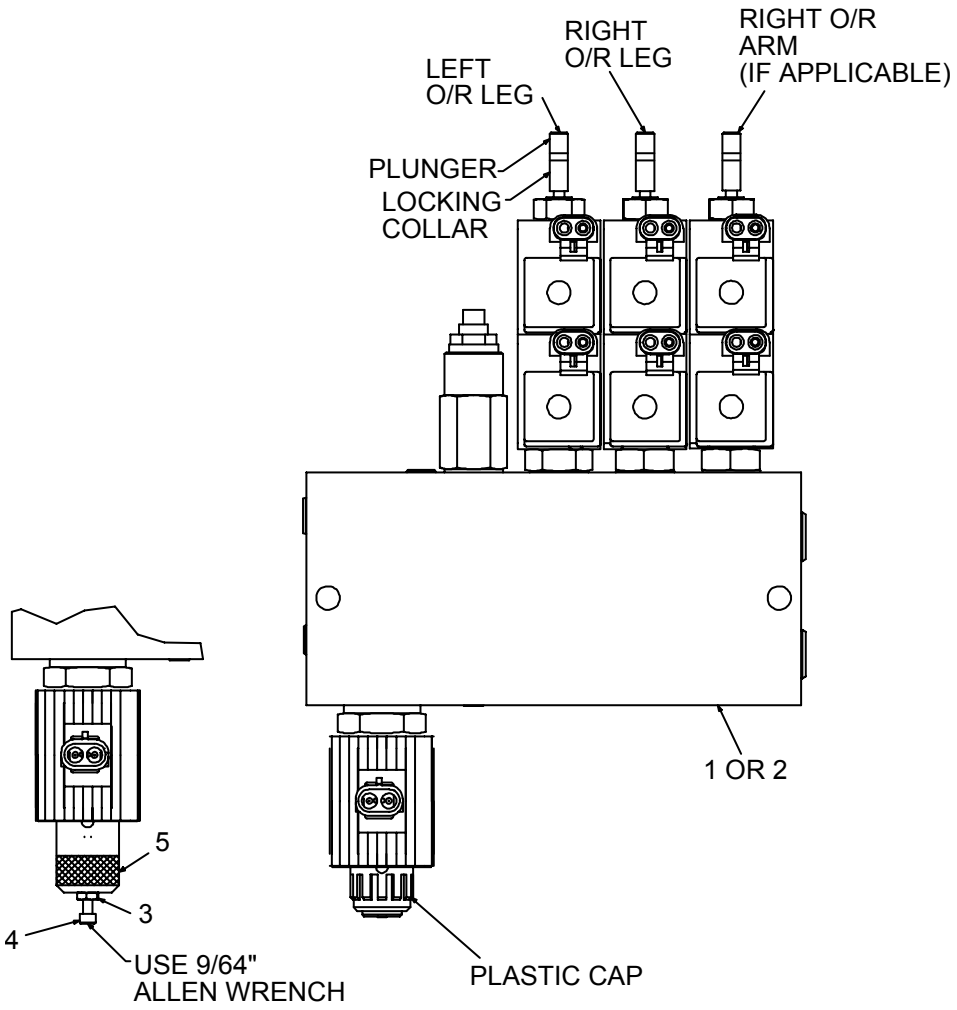


HYDRAULIC SCHEMATIC

73733958 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73540183	VALVE, RELIEF 3000 PSI	1
2.	73540184	VALVE, POPPET	1
3.	73540185	VALVE, SPOOL	2
4.	77040477	COIL, 12V	1

73733958 PARTS LIST			
5.	73534430	PLUG, ORIFICE	1
6.		MANIFOLD	1
7.		PLUG, EXPANDER	3
8.		PLUG, SAE #4	1
9.		PLUG, SAE #6	2
10.		NAME PLATE	1
11.		PLUG, CAVITY	1
12.	77040476	COIL, 12VDC	4
13.		PLUG, SAE #6	2
14.		PLUG, SAE #8	1
16-19		I.D. TAGS	1REF
		PLUG, PLASTIC, SAE #6	4
		PLUG, PLASTIC SAE #8	3

Outrigger Override Installation & Operation (99904272)



INSTALLING MANUAL OVERRIDE

1 REMOVE PLASTIC CAP AND DISCARD.

2 REPLACE PLASTIC CAP WITH ITEMS 3, 4, AND 5 AS SHOWN.

3 TURN ADJUSTMENT SCREW (ITEM 4) CLOCKWISE UNTIL YOU FEEL RESISTANCE. TURN COUNTERCLOCKWISE 2 FULL TURNS.

4 TIGHTEN JAM NUT (ITEM 3).

MANUAL OVERRIDE PROCEDURE

1 LOOSEN JAM NUT (ITEM 3).

2 TURN ADJUSTMENT SCREW (ITEM 4) CLOCKWISE UNTIL IT BOTTOMS OUT (APPROXIMATELY 6 FULL TURNS).

3 RAISE LOCKING COLLAR AND PUSH PLUNGER DOWN TO RETRACT DESIRED FUNCTION, OR LIFT TO EXTEND DESIRED FUNCTION.

4 RELEASE PLUNGER.

5 RELEASE LOCKING COLLAR ON ANY VALVE ACTIVATED.

6 PUSH AND RELEASE PLUNGER TO RETURN LOCKING COLLAR TO NEUTRAL POSITION.

7 RETURN ADJUSTMENT SCREW (ITEM 4) TO ORIGINAL POSITIONS.

8 TIGHTEN JAM NUT (ITEM 3).

99904272 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73734229	VALVE BANK 3 SEC W/SOLENOIDS	REF
2.	73734228	VALVE BANK 2 SEC W/SOLENOIDS	REF
3.	72062093	NUT # 8-32 HEX ZINC	1
4.	72601718	CAP SCR # 8-32X .75 SH PLAIN	1
5.	73029619	CAP-OUTRIGGER VALVE MANUAL OVERRIDE	1
6.	91721165	KIT-DOM OUTRIGGER VALVE OVERRIDE (INCL. ITEMS 3-5)	REF
NEW 20070719			

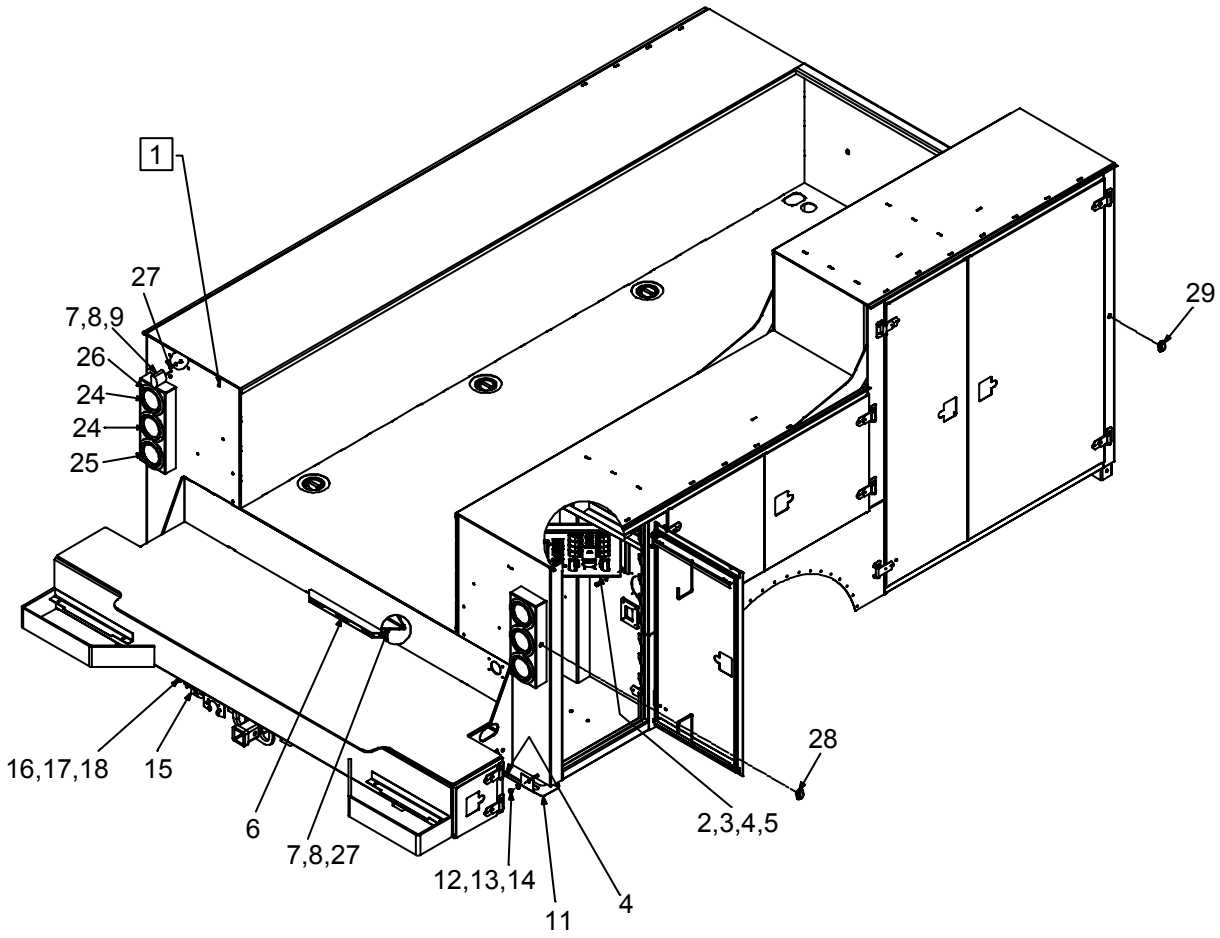
CHAPTER 10

Electrical Options & Installation

In This Chapter

Electrical Installation (99904088) (Eff. 9-5-06) 138
Electrical Installation (99903763) (Eff. 4-20-06 thru 9-5-06) 141
Electrical Installation (99903672) (Through 4-20-06) 144
Electrical Panel (99903680) 147
Chassis Electrical Installation (99904034) (Eff. 9-1-06) 149
Power Panel (Dom 1-2) (77441129) 152
Fuse Block, EFM, & Relay Bracket Installation (99903681) (Thru 9-1-06) 153
Crane Installation Comparison 156
Light Installation (99903687) 157
By-Pass Procedure for Reverse Activated Floodlights 158
Electrical Outlet (51711674) 158
Light Reel Kits 159

Electrical Installation (99904088) (Eff. 9-5-06)



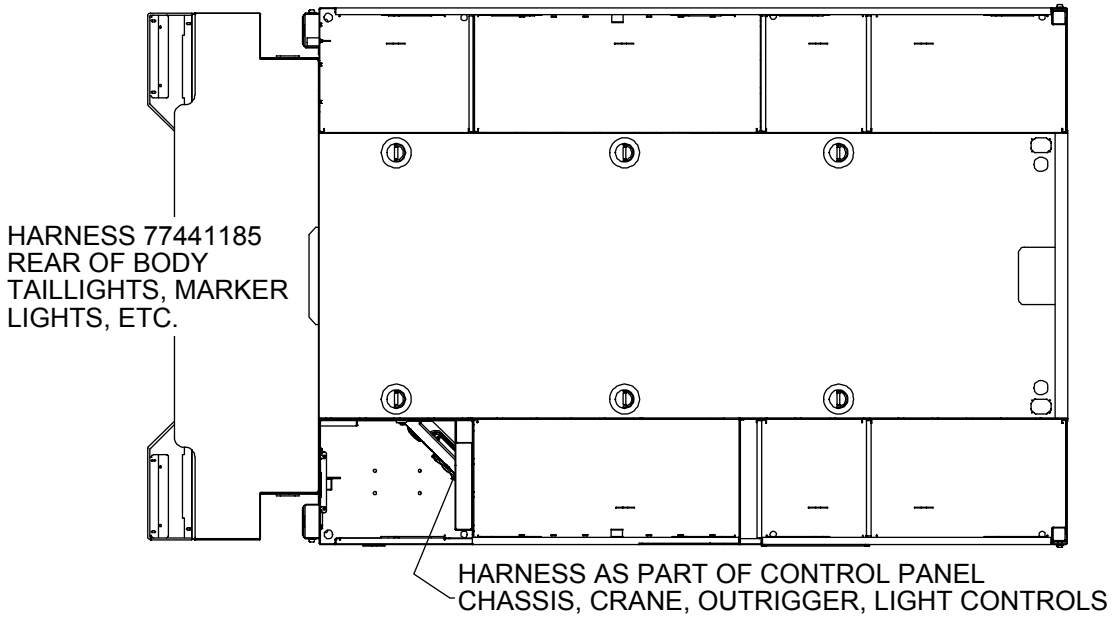
NOTES (SEE REFERENCE NUMBER IN BOX):

1 LICENSE PLATE KIT 51715985. TERMINATE WITH 77044690, 77045887 AND 70394069. GROUND EYELET FROM HARNESS ATTACHES TO ONE OF THE SCREWS.

2 CHASSIS GROUND AND BODY GROUND EYELETS FROM LIGHTING HARNESS SHOULD BE ATTACHED TO CHASSIS AND BODY, RESPECTIVELY. USE HARDWARE ITEMS #23, 24, 25, AND 26. DRILL AS NEEDED.

3 USE HEATSHRINK 77045926 TO PROTECT UNUSED COMPARTMENT LIGHT CONNECTOR.

VIEW OF BODY SHOWN WITHOUT DOORS OR SIDEPACK TOPS



NOTES (SEE REFERENCE NUMBER IN BOX):

4 EXTENSION HARNESS TO FRONT MARKER LIGHT AND FLOODLIGHTS. ONE PER SIDE

5 9' HARNESS - 77441125

6 11' HARNESS - 77441126

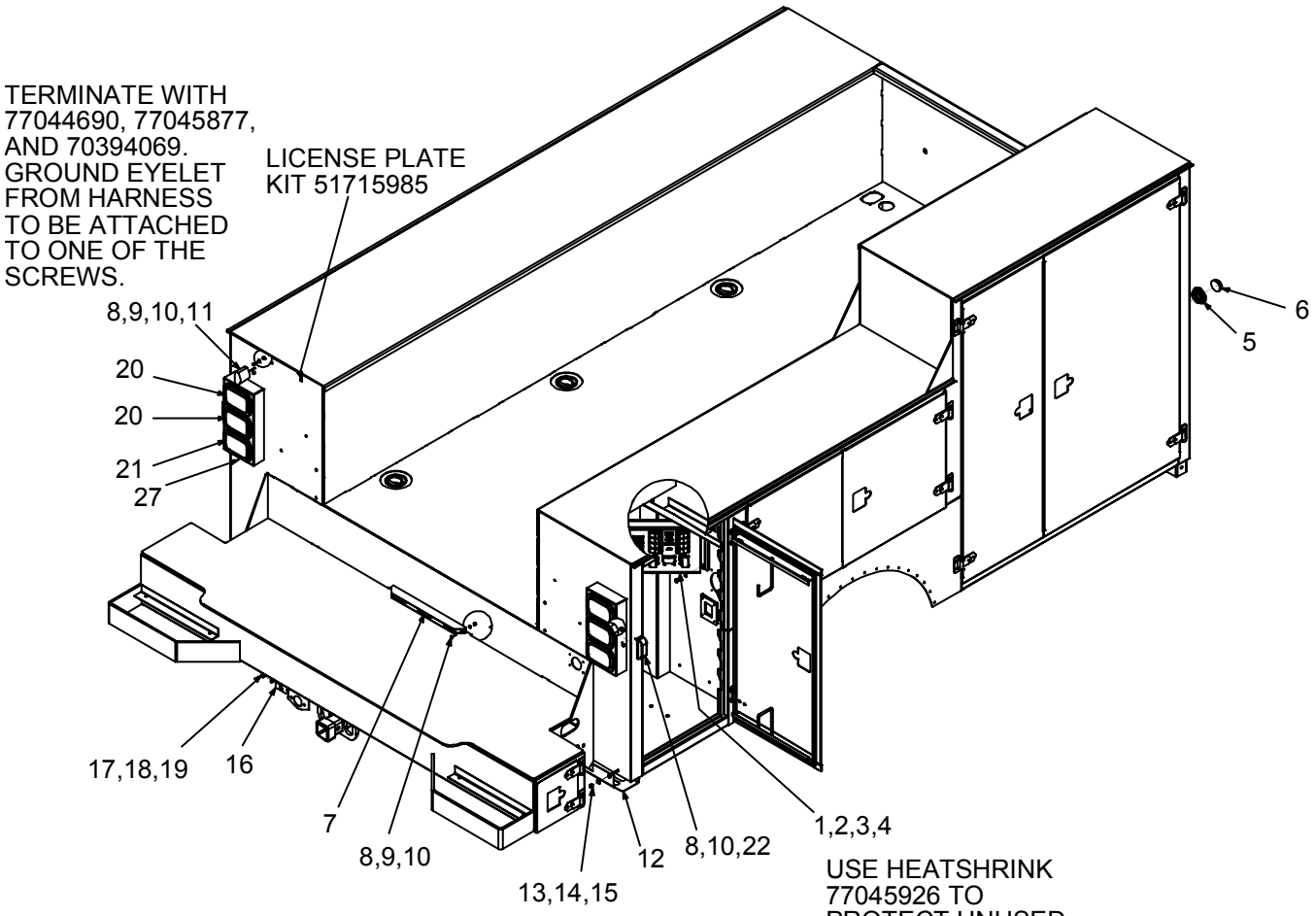
7 13', 14' HARNESS - 77441127

8 19' HARNESS - 77441202

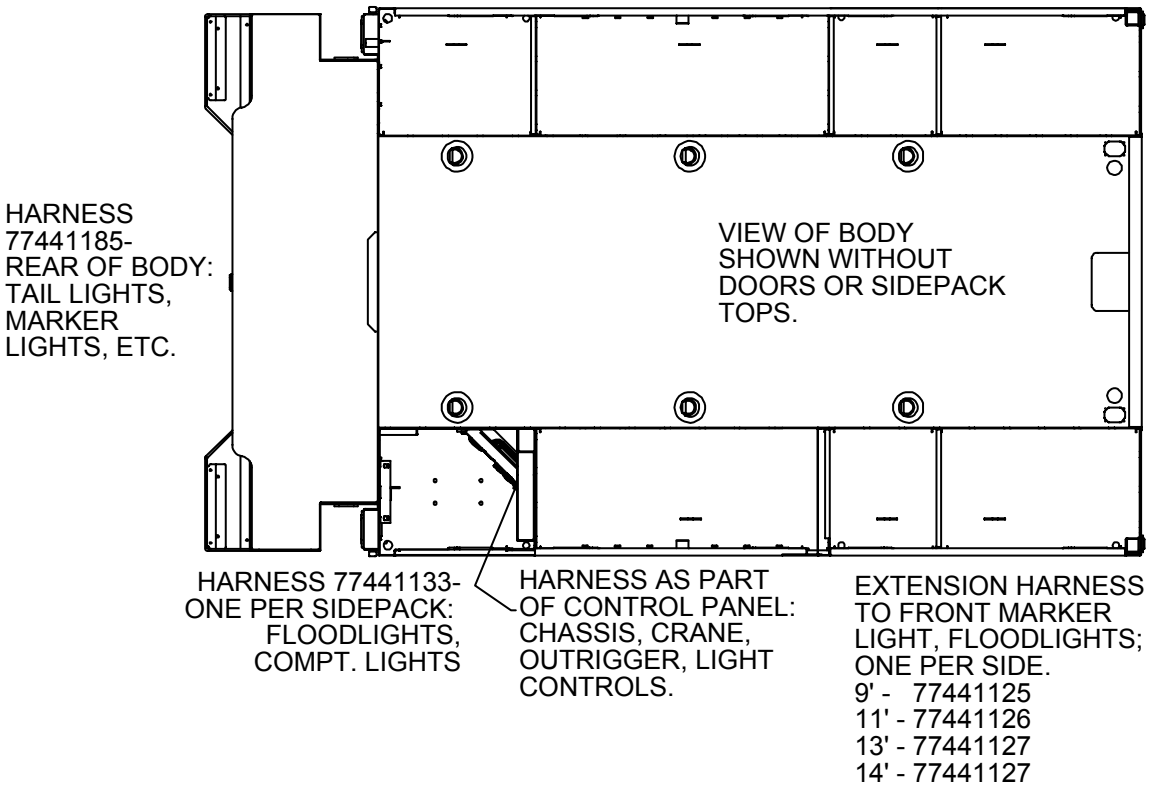
99904088 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51720172	ELECTRICAL PANEL (DOM4)	1
1.	51719191	ELECTRICAL PANEL (DOM1 & DOM2)	1
2.	72063050	WASHER .31 LOCK	4
3.	72060021	CAP SCR .31-18X .50 HH GR5 Z	4
4.	89396626	EDGING-PLASTIC BLK	A/R
5.	77040484	GROMMET-2IN DIA LED MARKER	2
6.	77040483	LIGHT-3-BAR LED	1
7.	72063000	WASHER .19 W FLAT ANSI B27.2Z	5
8.	72062106	NUT 10-24 HEX NYLOCK	4
9.	77441004	LIGHT-LICENSE PLATE	1
10.	60130829	MTG BRACKET-WIRE HARNESS (DOM IV)	2
11.	60120705	MTG BRKT-WIRE HARNESS (DOM I AND II)	2
12.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z	6

99904088 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
13.	72063002	WASHER .31 FLAT	6
14.	72062109	NUT .31-18 HEX NYLOCK	6
15.	77040020	ALARM-BACK UP HORN	1
16.	72060005	CAP SCR .25-20X 1.25 HH GR5 Z (WAS 72060002)	2
17.	72063001	WASHER .25 FLAT	2
18.	72062104	NUT .25-20 HEX NYLOCK	2
19.	72060047	CAP SCR .38-16X 1.25 HH GR5 Z	2
20.	72063003	WASHER .38 W FLAT ANSI B27.2Z	2
21.	72063051	WASHER .38 LOCK ZINC	2
22.	72062103	NUT .38-16 HEX NYLOC ZINC	2
23.	77040481	GROMMET-FOR LED S/T/T D(I)	6
24.	77040493	LIGHT-STOP/TURN/TAIL LED 4in DIA (WAS 77040432)	4
25.	77040180	LIGHT-BACKUP	2
26.	76392275	GROMMET-TAIL LIGHT	6
27.	72060636	SCR-MACH #10-24X .75 RDH PH ZINC	4
28.	77040570	LIGHT-CLEARANCE RED LED OVAL W/GROMMET	2
29.	77040569	LIGHT-CLEARANCE AMBER LED OVAL W/GROMMET	2
REV. E 20101217			

Electrical Installation (99903763) (Eff. 4-20-06 thru 9-5-06)



99903763 HARNESS INSTALLATION

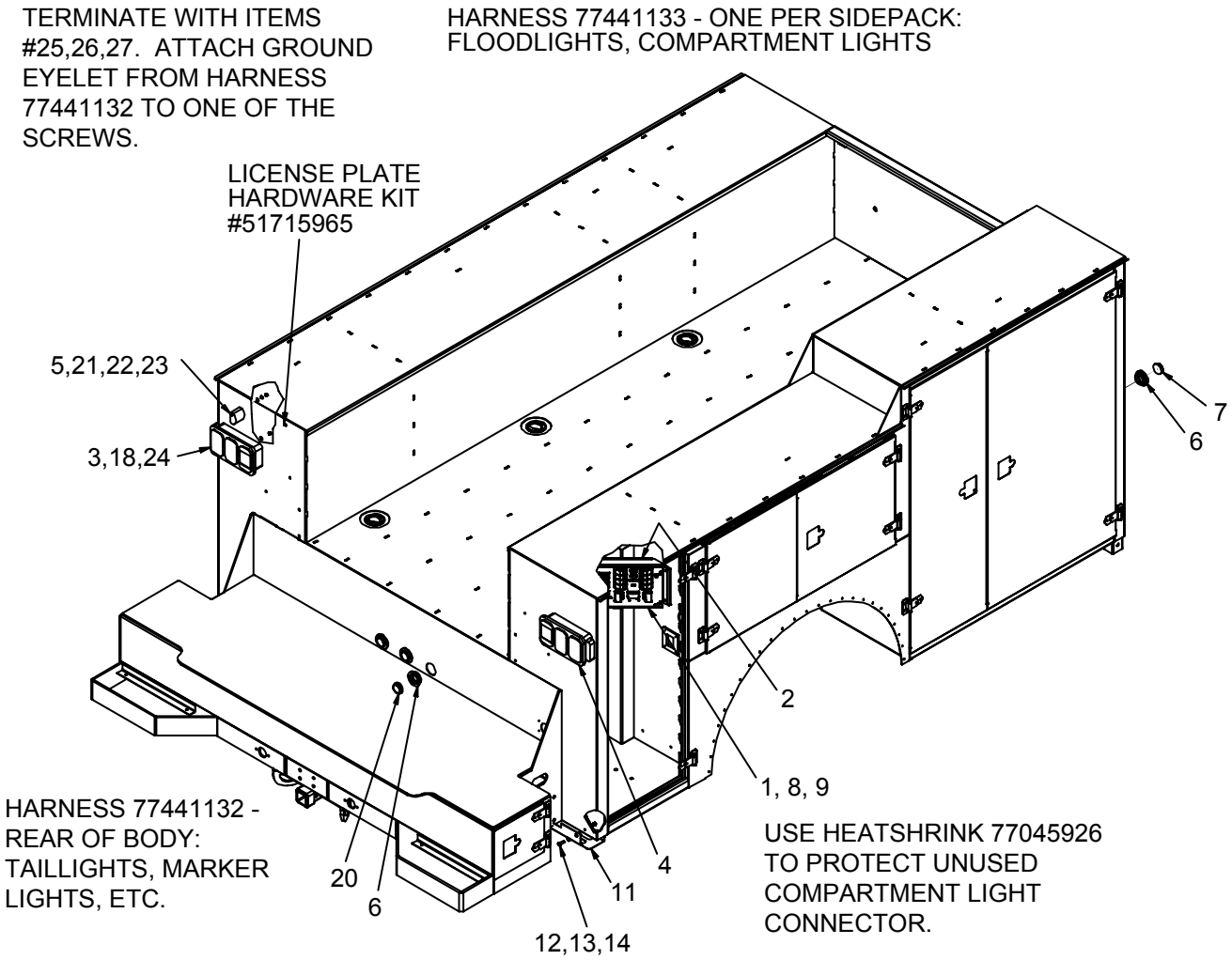

HARNESS 77441185- REAR OF BODY: TAIL LIGHTS, MARKER LIGHTS, ETC.
VIEW OF BODY SHOWN WITHOUT DOORS OR SIDEPACK TOPS.
HARNESS 77441133- ONE PER SIDEPACK: FLOODLIGHTS, COMPT. LIGHTS
HARNESS AS PART OF CONTROL PANEL: CHASSIS, CRANE, OUTRIGGER, LIGHT CONTROLS.
EXTENSION HARNESS TO FRONT MARKER LIGHT, FLOODLIGHTS; ONE PER SIDE.
9' - 77441125
11' - 77441126
13' - 77441127
14' - 77441127

99903763 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51719191	ELECTRICAL PANEL (DOM 1,2)	1
	51720172	ELECTRICAL PANEL (DOM 4)	1
2.	72063050	WASHER .31 LOCK	4
3.	72060021	CAP SCR .31-18X .50 HH GR5 Z	4
4.	89396626	EDGING-PLASTIC BLK	1
5.	77040484	GROMMET-2IN DIA LED MARKER	2
6.	77040478	LIGHT-CLEAR AMBER LED 2in DIA	2
7.	77040483	LIGHT-3 BAR LED	1
8.	72060636	SCR-MACH #10-24X .75 RDH PH ZINC	8
9.	72063000	WASHER .19 W FLAT ANSI B27.2Z	5
10.	72062106	NUT 10-24 HEX NYLOCK	8
11.	77441004	LIGHT-LICENSE PLATE PLASTIC	1
12.	60120705	MTG BRKT-WIRE HARNESS	2
13.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z	6
14.	72063002	WASHER .31 FLAT	6
15.	72062109	NUT .31-18 HEX NYLOCK	6
16.	77040020	ALARM-BACK UP HORN	1
17.	72060002	CAP SCR .25-20X .75 HH GR5 Z	2
18.	72063001	WASHER .25 FLAT	2
19.	72062104	NUT .25-20 HEX NYLOCK	2

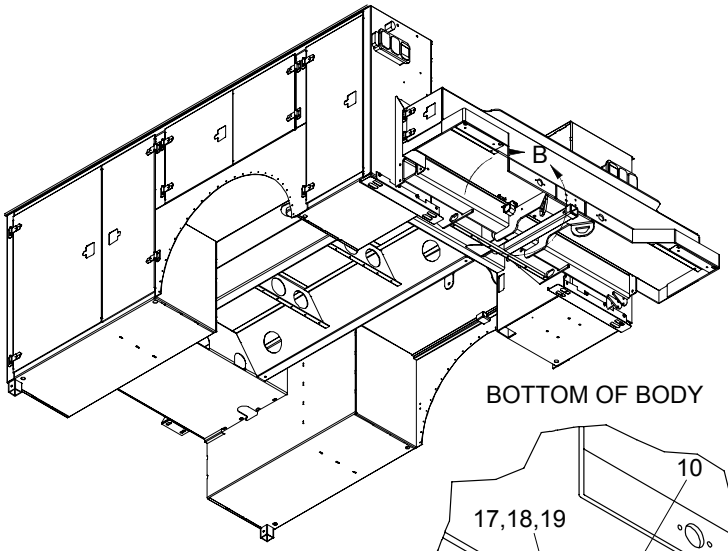
99903763 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
20.	77040480	LIGHT-STOP/TURN/TAIL LED ELEMENT	4
21.	77040482	LIGHT-CLEAR BACK UP	2
22.	77040479	LIGHT-MARKER CLEAR RED LED THIN LINE	2
23.	72060047	CAP SCR .38-16X 1.25 HH GR5 Z	2
24.	72063003	WASHER .38 W FLAT ANSI B27.2Z	2
25.	72063051	WASHER .38 LOCK ZINC	2
26.	72062103	NUT .38-16 HEX NYLOC ZINC	2
27.	77040481	GROMMET	6

REV. A 20060523

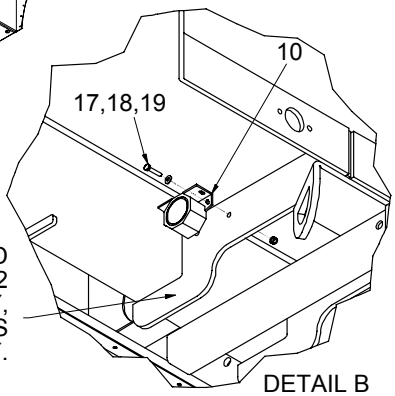
Electrical Installation (99903672) (Through 4-20-06)



99903672 DRAWING

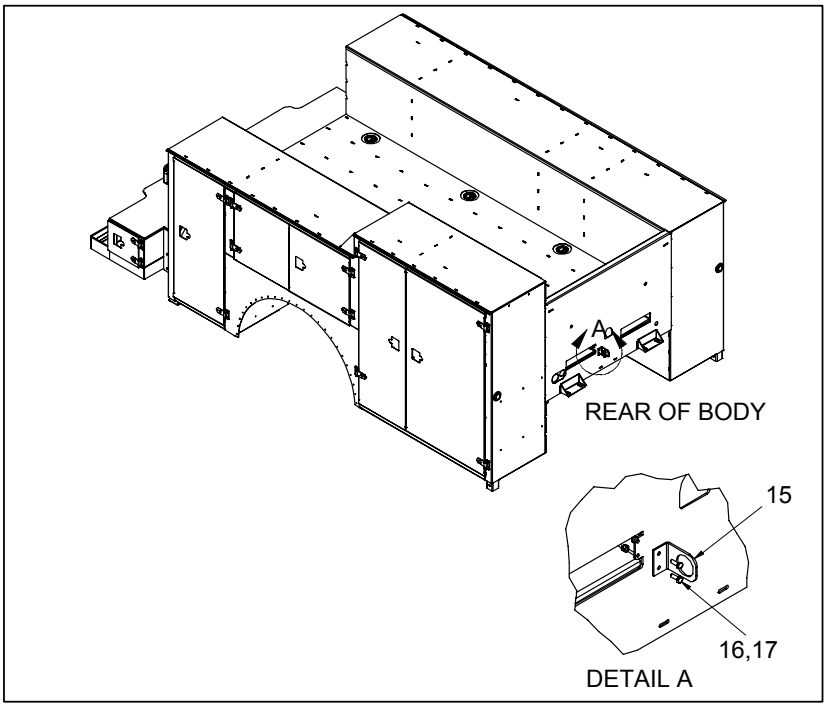


BOTTOM OF BODY



DETAIL B

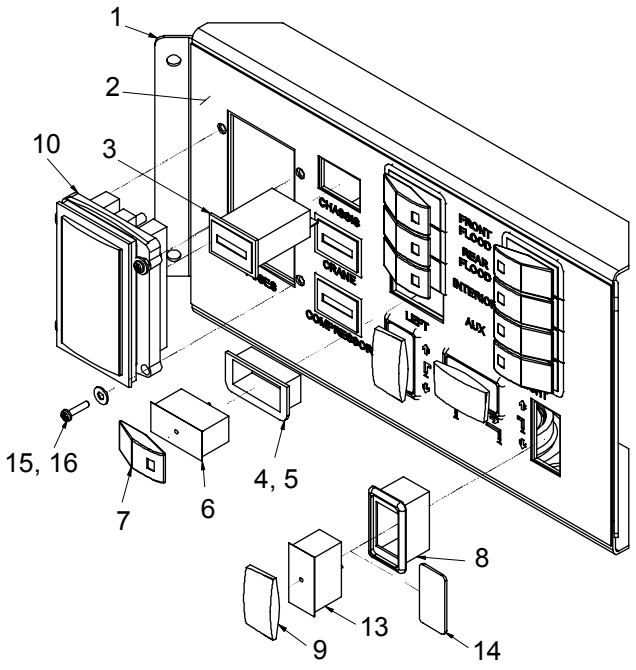
CHASSIS GROUND AND BODY GROUND EYELETS FROM HARNESS 77441132 TO BE ATTACHED TO CHASSIS AND BODY, RESPECTIVELY. USE HARDWARE ITEMS 28 - 31 AND DRILL AS NECESSARY.

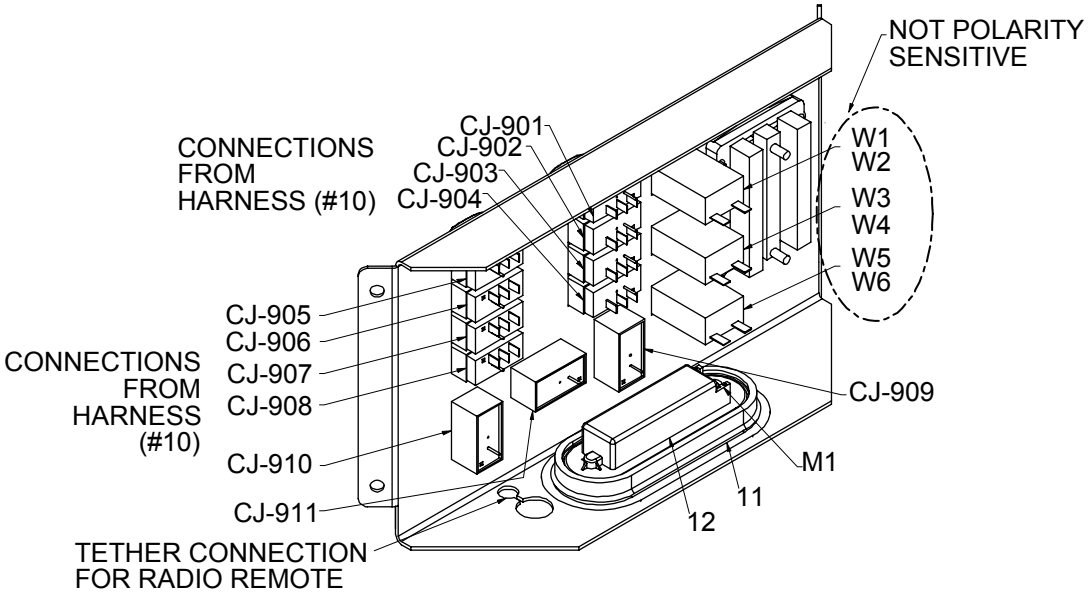


99903672 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51719191	ELECTRICAL PANEL	1
2.	89396626	EDGING-PLASTIC BLK	1
3.	77040467	LIGHT-MODULE, LH W/ LED MARKER	1
4.	77040468	LIGHT-MODULE, RH W/ LED MARKER	1
5.	77441004	LIGHT-LICENSE PLATE, PLASTIC	1
6.	76393636	GROMMET-RUBBER 2.00 30700	5
7.	77040358	LIGHT-CLEAR AMBER 30200Y	2
8.	72063050	WASHER .31 LOCK	4
9.	72601828	CAP SCR-SS .31-18X .50 HH	4
10.	77040020	ALARM-BACK UP HORN	1
11.	60120705	MTG BRKT-WIRE HARNESS	2
12.	72063152	WASHER-SS .31 R FLAT WRT TYPE 304	6
13.	72601831	CAP SCR-SS .31-18X 1.00 HH	6
14.	72062167	NUT-SS .31-18 HEX NYLOC	6
15.	60119299	BRACKET-MTG DEUTSCH CONNECTOR	1
16.	72601827	CAP SCR-SS .25-20X .75 HH GR5	2
17.	72062194	NUT-SS .25-20 NYLOC	4
18.	72063166	WASHER-SS .25 R WRT 18-8 .62OD	10
19.	72601846	CAP SCR-SS .25-20X 1.25 HH	2
20.	77040357	LIGHT-CLEAR RED 30200R	3
21.	72060636	SCR-MACH #10-24X .75 RDH PH ZINC	2
22.	72062106	NUT 10-24 HEX NYLOCK	2
23.	72063000	WASHER .19 W FLAT ANSI B27.2Z	3
24.	72062296	NUT-METRIC 6MM X 1.00	REF
25.	70394069	SEAL-PKRD WP/MP 16 GA GREEN	1
26.	77045887	TERM-PKRD WEATHERPACK 14-16GA MALE	1
27.	77044690	CONN-PKRD WEATHERPACK 1 CAV MALE/SHROUD	1
28.	72601835	CAP SCR-SS .38-16X 1.25 HH	2
29.	72063165	WASHER-SS .38 FLAT 18-8	2
30.	72063051	WASHER .38 LOCK ZINC	2
31.	72062197	NUT-SS .38-16 HEX NYLOC	2

REV. A 20050428

Electrical Panel (99903680)



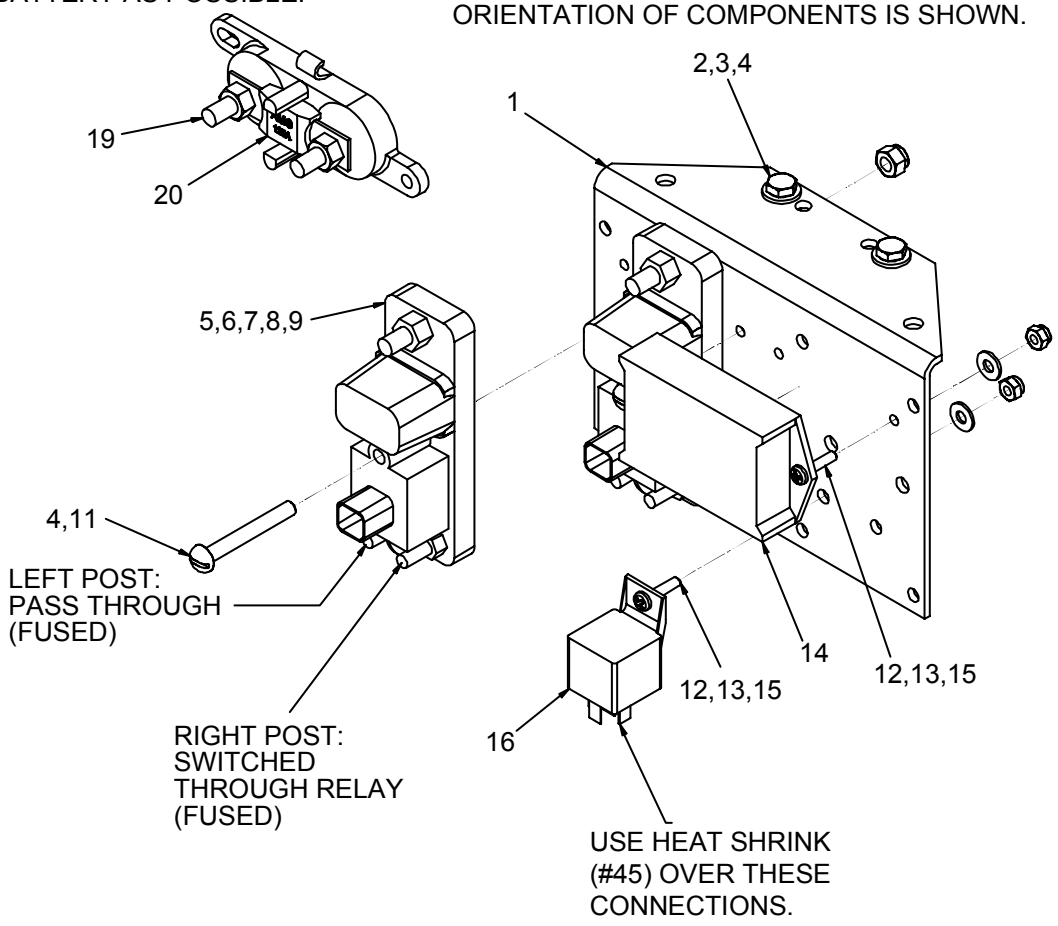


99903680 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60251121	ELECTRICAL PANEL	1
2.	70396600	DECAL-ELECTRICAL CONTROL PANEL DOM	1
3.	70733496	METER-HOUR DATCON PUSH LOCK MOUNTING	3
4.	77041502	SWITCH-ROCKER MTG PANEL END	4
5.	77041504	SWITCH-ROCKER MTG PANEL MIDDLE	4
6.	77041500	SWITCH-ROCKER BODY	8
7.	77044779	SWITCH-ROCKER GREEN ACTUATOR	8
8.	77041689	SWITCH-ROCKER SINGLE MOUNTING PANEL	3
9.	77041688	SWITCH-ROCKER ACTUATOR - FROM OUTRIGGER KIT	A/R
10.	77441129	HARNESS DOM POWER PANEL	1
11.	76394572	GROMMET-2 X 6 OVAL CMPT LIGHT	1
12.	77040509	LIGHT-COMPARTMENT LED (WAS 77040384)	1
13.	77041687	SWITCH-ROCKER BODY MOMENTARY - FROM O/R KIT	A/R
14.	77041571	SWITCH-ROCKER PLUG	3
15.	72063181	WASHER-SS 10 WRT TYPE 304	4
16.	72060612	SCR-MACH # 8-32X .75 RDH	4
17.	70034061	TIES-PLASTIC .18W 12.00L BLACK	10
REV. A 20071003			

Chassis Electrical Installation (99904034) (Eff. 9-1-06)

IF THE WIRE BETWEEN THE POWER MODULE (#5) AND THE BATTERY IS LONGER THAN 24" INSTALL PARTS #19 AND #20 IN-LINE, AS CLOSE TO THE BATTERY AS POSSIBLE.

EXTRA HARDWARE AND BRACKET (#51) ARE SUPPLIED FOR MOUNTING AS NECESSARY. THE RECOMMENDED ORIENTATION OF COMPONENTS IS SHOWN.

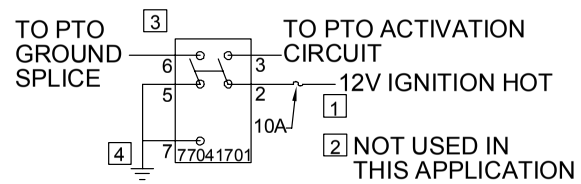


99904034 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60128133	BRACKET-EFM	1
2.	72060003	CAP SCR .25-20X .88 HH GR5 Z	4
3.	72063001	WASHER .25 FLAT	4
4.	72062104	NUT .25-20 HEX NYLOCK	6
5.	77040490	RELAY-12 VOLT POWER RELAY MODULE	2
6.	77041712	FUSE-FMX 30 AMP PINK	1
7.	77041713	FUSE-FMX 40 AMP GREEN	1
8.	77041711	FUSE-FMX 20 AMP BLUE	1
9.	77041714	FUSE-FMX 60 AMP YELLOW	1
10.	77040491	CONNECTOR - 2 CAV FEMALE	2
11.	72060654	SCR-MACH .25-20X 2.00 RDH ZINC	2

12.	72062207	NUT 8-32 HEX NYLOCK	3
13.	72063181	WASHER-SS 10 WRT TYPE 304	3
14.	51717388	KIT-EFM (ENGINE FUNCTION MODULE)	1
15.	72060612	SCR-MACH # 8-32X .75 RDH	3
16.	77041251	RELAY-12V 30 AMP NOM/40 AMP MAX	1
17.	77040053	TERM-RING I .25 STUD 12-10 GA	1
18.	77040354	TERM-RING NI .25 STUD 8 WIRE	2
19.	77441116	FUSEHOLDER-HIGH AMP2 BOLT WITH COVER	1
20.	77441115	FUSE-AMG-125 AMP	1
21.	77040045	TERM-RING NI .31 STUD 6 WIRE	6
22.	77040492	TERM-RING NI .25 STUD 6 WIRE	1
23.	77045948	TERM-FEM MP 16-18 AWG	4
24.	77045949	SEAL-MP RED CABLE SEAL	4
25.	77040137	TERM-FEM SLIP ON12-10/.25 TAB	2
26.	77040186	TERM-FSLPON I .25TAB 16-14 GA	2
27.	51719331	KIT-DIODE DEUTSCH DT SERIES	3
28.	51719332	KIT-SPLICE METRIPACK 6 PIN	4
29.	77044984	WIRE-6 GA GXL RED	A/R
30.	77441199	HARNESS DOM CHASSIS DOM4	1
30.	77441130	HARNESS DOM CHASSIS DOM1 & DOM2	1
42.	89044232	WIRE-14GA RED STRD TYPE GPT	A/R
43.	89044274	WIRE-14GA BLACK STRD TYPE GPT	A/R
44.	89396659	TUBE-HEAT SHRINK .38X 2IN DOUBLE WALL	8
45.	77045926	TUBE-HEAT SHRINK-1.5 INCH DUAL WALL 4FT	0.0833
46.	89393368	TUBE-HEAT SHRNK .25X 6"LG (OBS)	2
48.	77040473	TERM-RING NI .38 STUD 6 WIRE	1
49.	77044651	TERM-RING .38 STUD 16-14 GA	1
50.	89044363	WIRE-12GA WHITE STRD TYPE GPT	4
51.	60025470	ANGLE-AL .12X1.00X1.00X 4.00	1
52.	70034061	TIES-PLASTIC .18W 12.00L BLACK	6
53.	77441110	CABLE POWER RED #6 X 36	1
REV A 20060922			

99904034 DRAWING

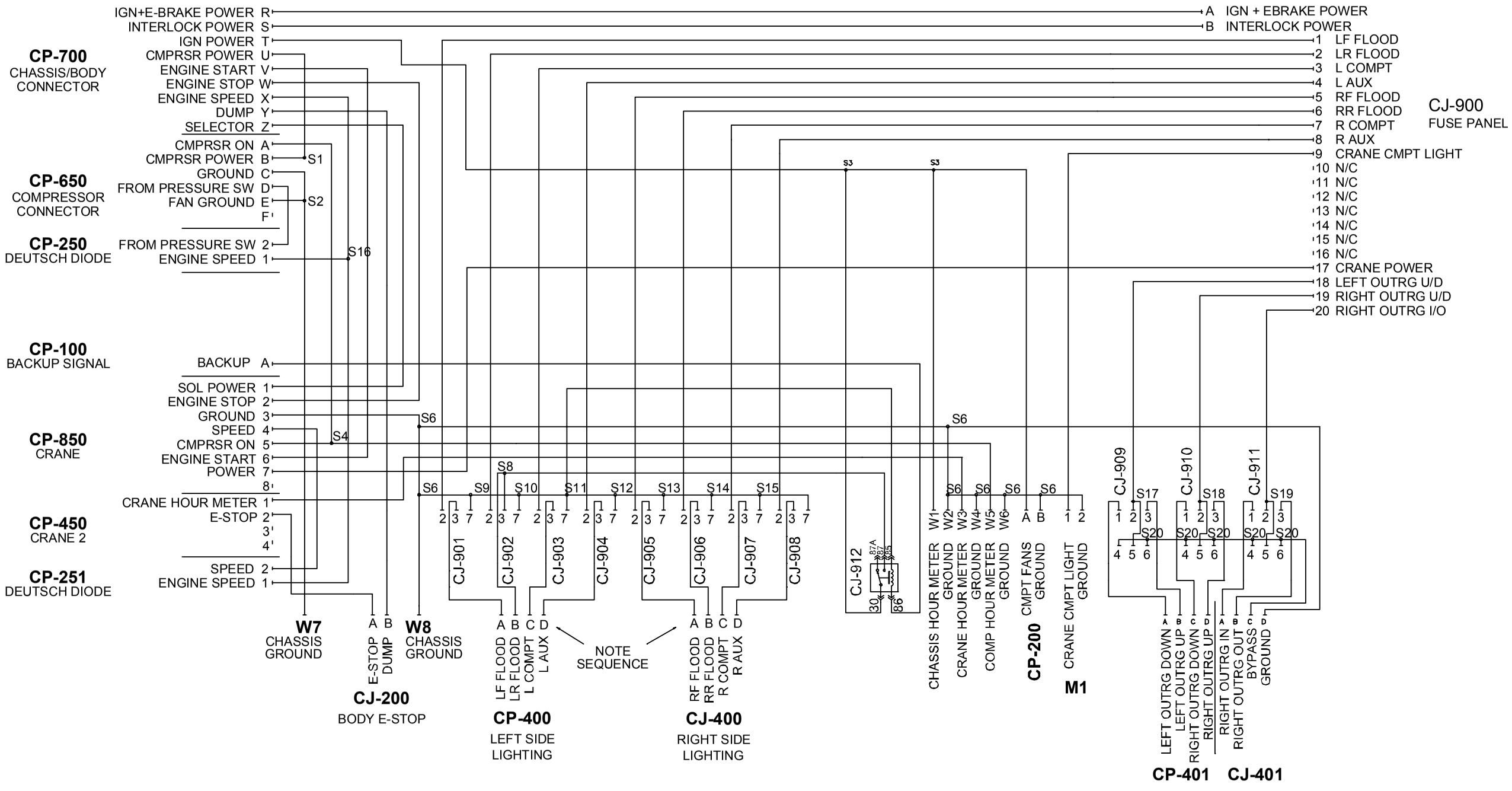
99904034-AUTOMATIC
SINGLE PTO (MUNCIE/CHELSEA)
ALLISON MD (6000/4000) SERIES TRANSMISSION



NOTE: 77041701 WILL ENGAGE THE PTO AND PROVIDE A GROUND SIGNAL TO THE IMT CHASSIS ELECTRICAL WIRING WHEN THE SWITCH IS ACTIVE. THIS ALLOWS ENGINE START TO FUNCTION IF THE PRESSURE SWITCH ON THE PTO OPENS (AFTER ENGINE KILL OCCURS, FOR EXAMPLE.)

POWER/RELAY MODULE - #5
POWER/RELAY MODULE - #5
125A
40A
20A
30A
60A
70A
70A
BATTERY
CHASSIS IGNITION
PTO GROUND SPLICE
SWITCH AND LIGHT SUPPLIED WITH PTO
IGNITION POWER SPLICE
E-BRAKE SPLICE
E-BRAKE (SWITCH SUPPLIED AS PART OF CHASSIS)
GROUND SPLICE
CONNECTIONS TO HARNESS #30
INTERLOCK POWER
IGNITION POWER
BATTERY POWER
IGNITION & E-BRAKE POWER
ENGINE SPEED
ENGINE STOP
ENGINE START
RELAY #1
RELAY #2
RELAY #3
RELAY #4
E-BRAKE
IGNITION POWER
GROUND
1L-CP600-A
1L-CP600-B
1L-CP600-C
1L-CP600-D
1L-CP600-E
1L-CP200-A
1L-CP200-B
1L-CP300-A
1L-CP300-B
1L-CP300-C
1L-C301-A
1L-C301-B
1L-C301-C
1L-CP100-A
SEE EFM MANUAL

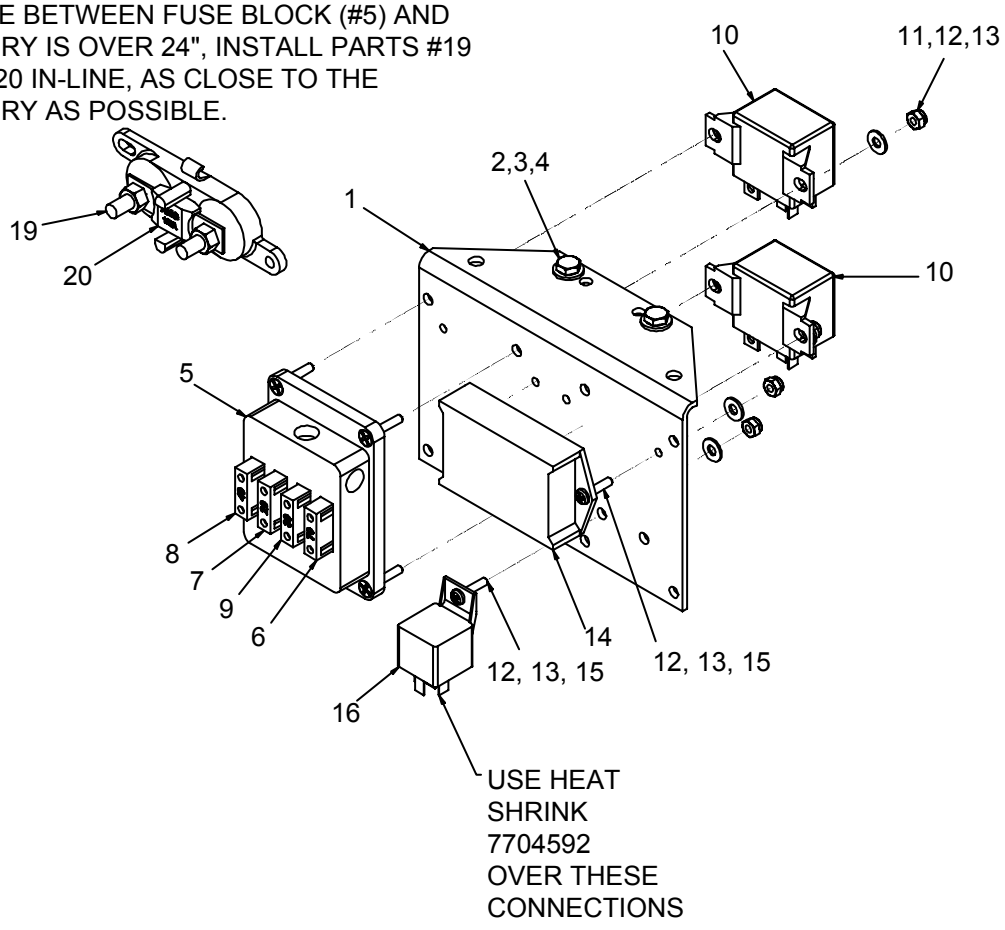
Power Panel (Dom 1-2) (77441129)



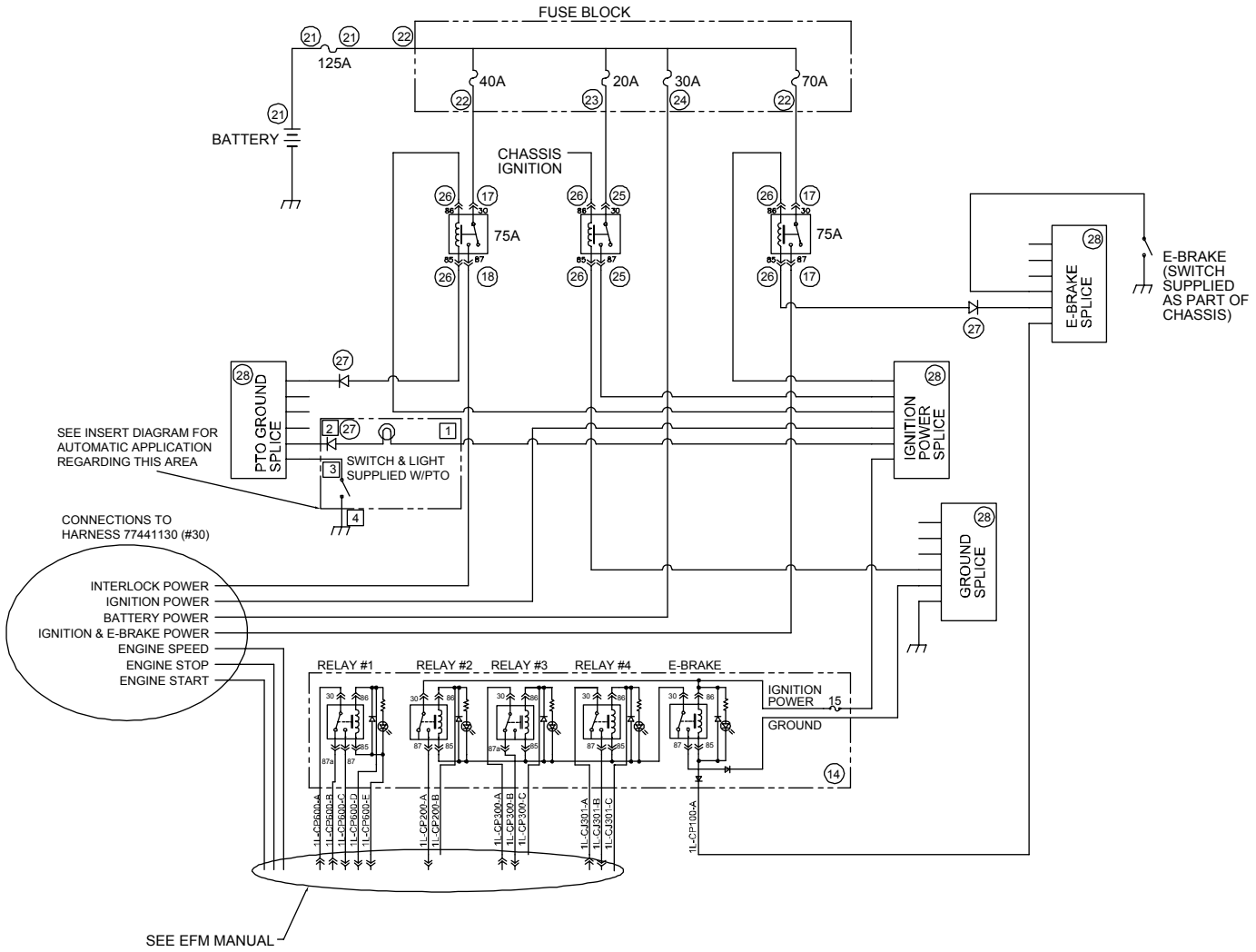
Fuse Block, EFM, & Relay Bracket Installation (99903681) (Thru 9-1-06)

EXTRA QUANTITY OF HARDWARE AND BRACKET 60025470 SUPPLIED FOR MOUNTING AS NECESSARY. ELECTRICAL COMPONENTS ON THIS DRAWING (#5,10,16) MUST BE ORIENTED AS SHOWN FOR THEIR PROTECTION.

IF WIRE BETWEEN FUSE BLOCK (#5) AND BATTERY IS OVER 24", INSTALL PARTS #19 AND #20 IN-LINE, AS CLOSE TO THE BATTERY AS POSSIBLE.

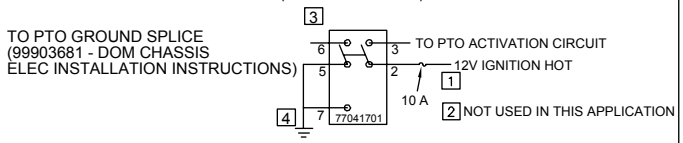


99903681-2 DRAWING



INSERT DIAGRAM: AUTOMATIC APPLICATION

SINGLE PTO (MUNCIE/CHELSEA)
ALLISON MD (3000/4000) SERIES TRANSMISSION
DOMINATOR II (POST APRIL 2005) ONLY



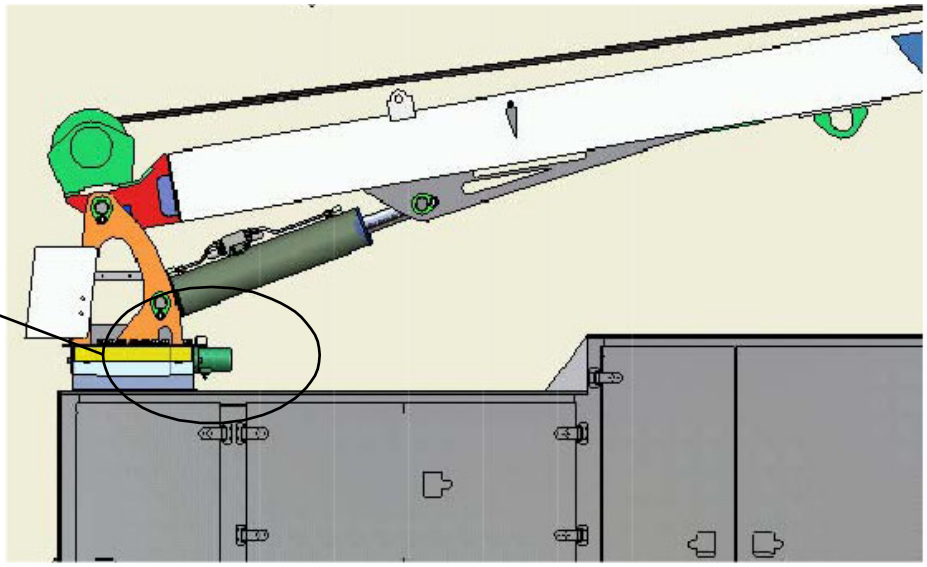
NOTE: 77041701 will engage the PTO and provide a ground signal to the IMT chassis electrical wiring when the switch is active. This allows *engine start* to function if the pressure switch on the PTO opens (after *engine kill* occurs, for example).

99903681 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60128133	BRACKET-EFM	1
2.	72060003	CAP SCR .25-20X .88 HH GR5 Z (WAS 2)	4
3.	72063001	WASHER .25 FLAT	4

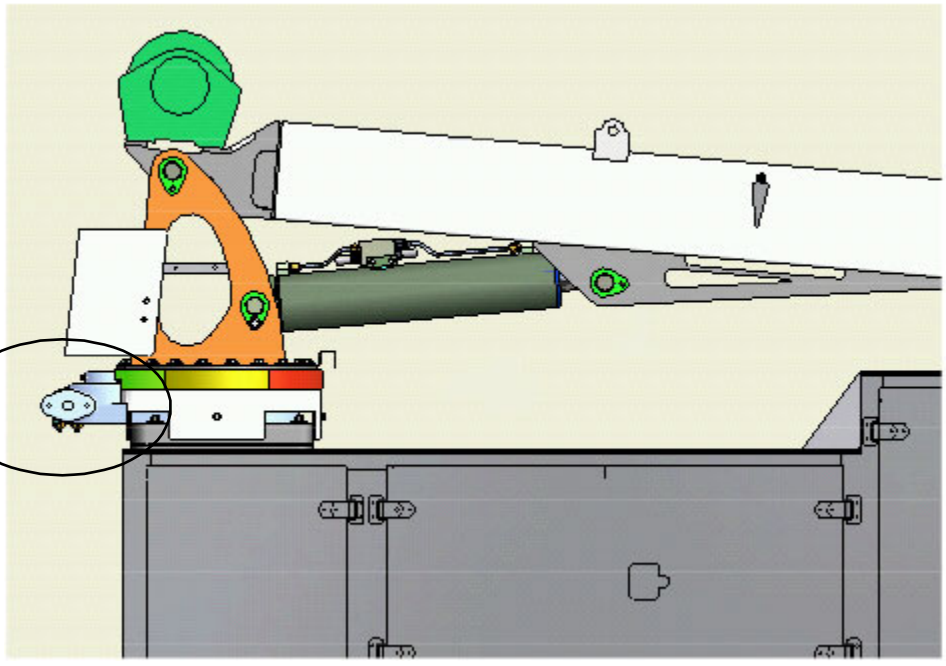
99903681 PARTS LIST			
4.	72062104	NUT .25-20 HEX NYLOCK (WAS 2)	4
5.	77041678	FUSE BLOCK-4 POS MAXI-FUSE	1
6.	77441112	FUSE-MAXI 70 AMP	1
7.	77044635	FUSE-MAXI 20 AMP	1
8.	77041616	FUSE-MAXI 40 AMP	1
9.	77044636	FUSE-MAXI 30 AMP	1
10.	77040391	RELAY-12V DC 75AMP	2
11.	72062326	SCR-MACH # 8-32X 1.00 FH PHLPS SS	4
12.	72062207	NUT 8-32 HEX NYLOCK	7
13.	72063181	WASHER-SS 10 WRT TYPE 304	7
14.	51717388	KIT-EFM (ENGINE FUNCTION MODULE)	1
15.	72060612	SCR-MACH # 8-32X .75 RDH	3
16.	77041251	RELAY-40 AMP	1
17.	77441155	TERMINAL - RING 6GA NUMBER 10 NON INS	3
18.	77441154	TERMINAL - RING 8GA NUMBER 10 NON INS	1
19	77441116	FUSEHOLDER-HIGH AMP2 BOLT WITH COVER	1
20.	77441115	FUSE-AMG-125 AMP	1
21.	77040045	TERMINAL - RING 6GA NUMBER 10 NON INS	3
22.	77441152	FERRULE - FUSE BLOCK 6 GA X 12MM	3
23.	77441149	FERRULE - FUSE BLOCK 12 GA X 12MM	1
24.	77441151	FERRULE - FUSE BLOCK 8 GA X 12MM	1
25.	77040137	TERM-FEM SLIP ON12-10/.25 TAB	2
26.	77040186	TERM-FSLPON I .25TAB 16-14 GA	6
27.	51719331	KIT-DIODE DEUTSCH DT SERIES (WAS 2)	3
28.	51719332	KIT-SPLICE METRIPACK 6 PIN	4
29.	77044984	WIRE-6 GA GXL RED	A/R
30.	77441130	HARNESS, CHASSIS (DOM 1 & 2)	1
30.	77441199	HARNESS, CHASSIS (DOM 4)	1
42.	89044232	WIRE-14GA RED STRD TYPE GPT	A/R
43.	89044274	WIRE-14GA BLACK STRD TYPE GPT	A/R
44.	89396659	TUBE-HEAT SHRINK 3/8X2 DOUBLE WALL	8
45.	77045926	TUBE-HEAT SHRINK 1.5" DUAL WALL 4'	0.0833
46.	89393368	TUBE-HEAT SHRINK 1/4X6	2
47.	77040045	TERMINAL, RING	3
48.	77040473	TERMINAL, RING	1
49.	77044651	TERMINAL, RING	1
50.	89044363	WIRE	4
51.	60025470	ANGLE	1
52.	70034061	TIES, PLASTIC	6
53.	77441110	CABLE, POWER, RED	1
REV. D 20060523			

Crane Installation Comparison

CRANE BASE - PRIMARY CONFIGURATION

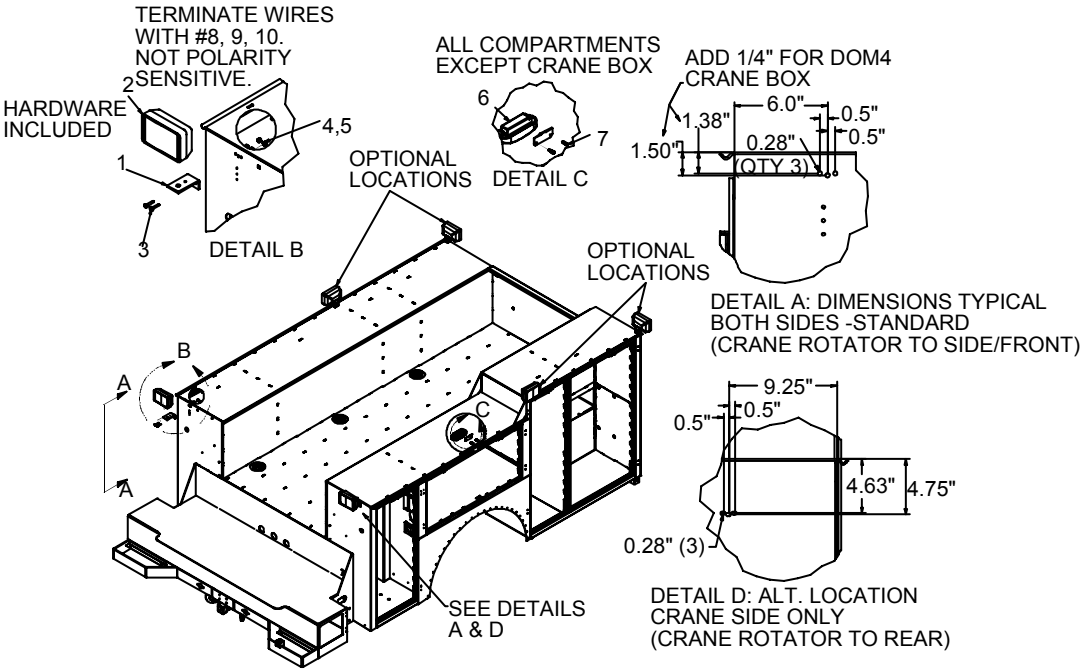


CRANE BASE - ALTERNATE CONFIGURATION



If your body includes a crane, check the crane base configuration (primary or alternate) to determine floodlight installation (99903687).

Light Installation (99903687)



99903687 PARTS LIST							
ITEM	PART #	DESCRIPTION	51719944	51719193	51719194	51720234	51719195
			9-FOOT COMPT. LIGHTS	11-FOOT COMPT. LIGHTS	13 & 14-FOOT COMPT. LIGHTS	19-FOOT COMPT. LIGHTS	FLOODLIGHT KIT (2 LIGHTS)
1.	60117375	BRACKET-FLOODLIGHT 12V REAR SP	2	2	2	2	
2.	77040424	FLOODLIGHT-COMPOSITE WORK LAMP	2	2	2	2	2
3.	72601846	CAP SCR-SS .25-20X 1.25 HH	4	4	4	4	4
4.	72063183	WASHER-SS .25 W MS811 FLAT 18-8	4	4	4	4	4
5.	72062194	NUT-SS .25-20 NYLOC	4	4	4	4	4
6.	77040384	LIGHT-COMPARTMENT 12V 2.1AMP	5	7	9	11	
7.	72617558	SCR-SELF TAP-SS #10X .50 HH SLOT	10	14	18	22	
8.	77044574	CONN-2 CAV TOWER	2	2	2	2	2
9.	77045888	TERM-14-16GA FEMALE	4	4	4	4	4
10.	77044927	CABLE SEAL-14 GA GREY	4	4	4	4	4
REV. D 20071218							

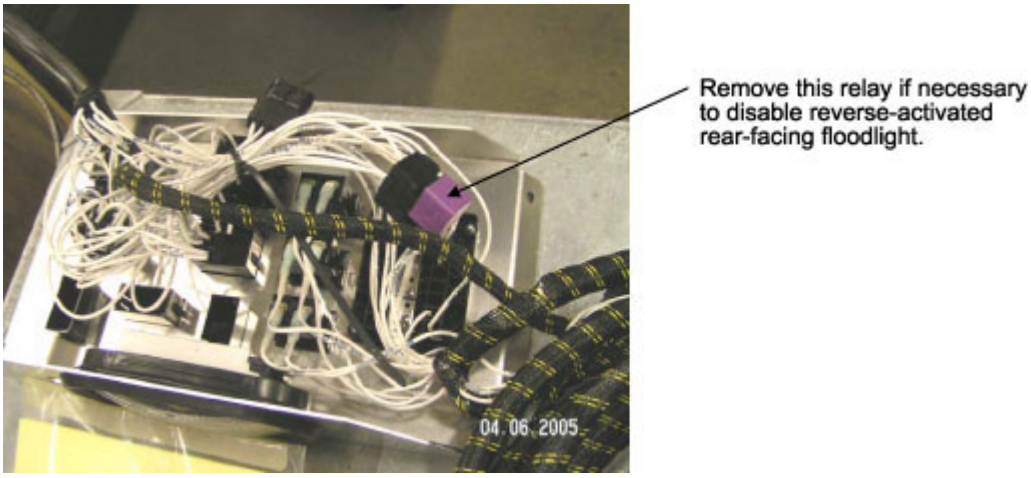
By-Pass Procedure for Reverse Activated Floodlights

A floodlight installed on the rear driver's side of the body will illuminate when the chassis transmission is in reverse.

NOTE:

Some state and local laws prohibit reverse-activated rear-facing floodlights. Consult your local and state regulations regarding reverse-activated, rear-facing floodlights. Disable if necessary.

To disable, remove the relay located behind the crane box switch panel as shown.



Electrical Outlet (51711674)

51711674 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	76393038	GROMMET	1
2.	77040232	TERMINAL-INSULATED SPADE 12-10 GA	3
3.	77044018	CONNECTOR-1/2 STRAIN RELIEF 3/8-1/2	1
4.	77044135	GROUND PLUG	1
5.	77044372	ELECTRICAL BOX 2X44 DEEP WELL	1
6.	77044384	WEATHERPROOF COVER	1
7.	77044501	OUTLET 110V GFI 20A	1
8.	89044039	CABLE 14GA/3WIRE	20FT

Light Reel Kits

LIGHT REEL KIT - 12 VOLT (51707758)					
LIGHT REEL KIT - 110 VOLT - LIGHT DUTY (51707759)					
LIGHT REEL KIT - 110 VOLT W/50' CORD (51712724)					
ITEM	PART #	DESCRIPTION	12 VOLT QUANTITY	110 VOLT QUANTITY	110 VOLT QUANTITY W/CORD
1.	77040187	REEL - 50'	1	1	
	77040368	REEL - 50'			1
2.	77040225	BULB - 12V	1		
	77040224	BULB - 120V 75W ROUGH SERVICE		1	1
3.	77040049	BUTT CONNECTOR	1		
4.	77040000	TERMINAL	1		
5.	72060012	CAP SCR 1/4-20X3 HH GR5	1	1	
	72060025	CAP SCR 5/16-18X1 HH GR5			4
6.	72062104	NUT 1/4-20 LOCK	5	3	
	72062109	NUT 5/16-18 HEX NYLOC			4
7.	72060002	CAP SCR 1/4-20X3/4 HH GR 5	2	2	
8.	89044234	WIRE 14GA YELLOW X 96"	1		
9.	89044235	WIRE 14GA WHITE X 12"	1		
10.	89044072	WIRE 12GA/3 WIRE X 216"		1	1
11.	72063002	WASHER 5/16 FLAT			8

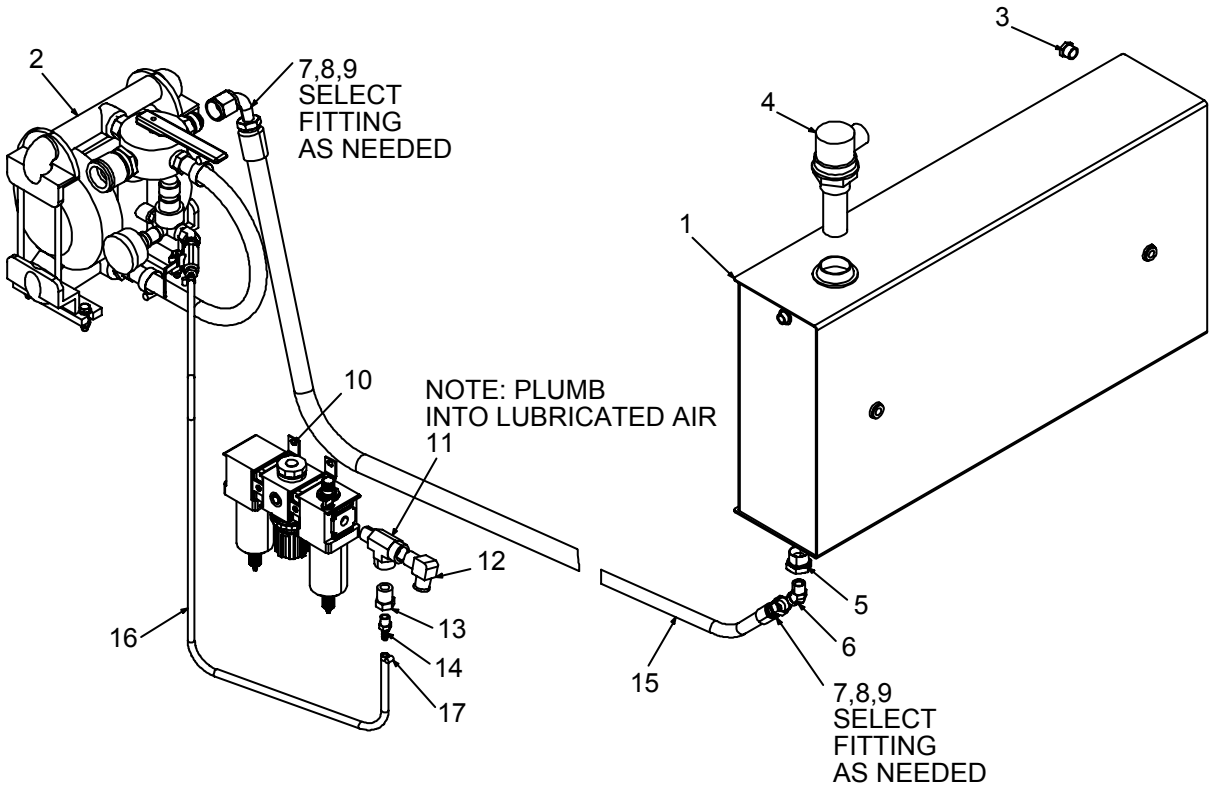
CHAPTER 11

Miscellaneous Options

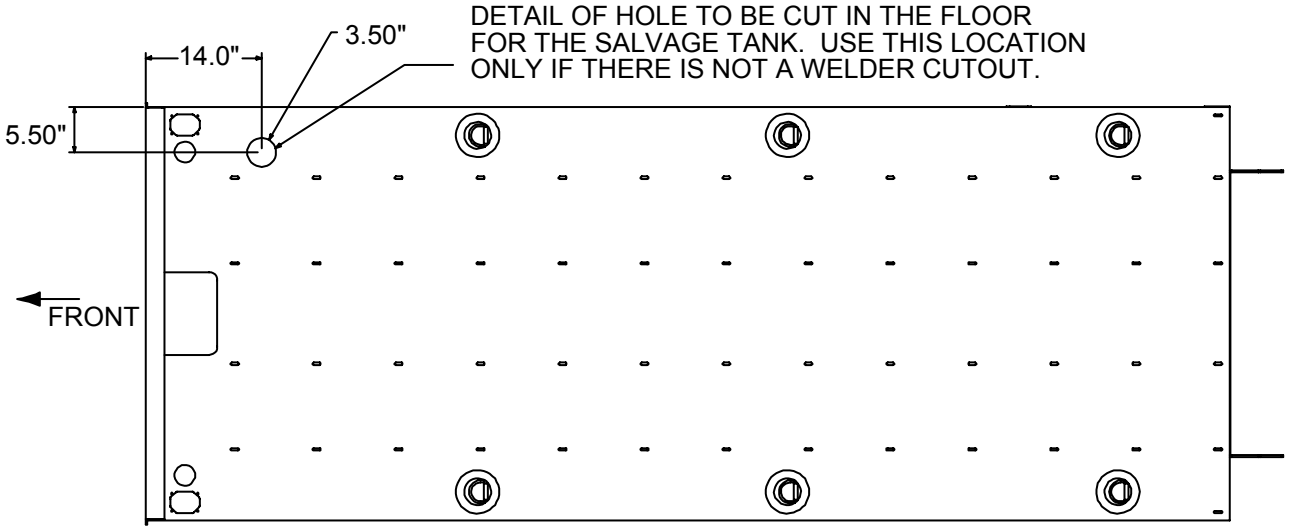
In This Chapter

Salvage / Plumbing Installation Kit (99903803).....161
Salvage Tank Installation, Welder in Load Bed (99903807).....164
Salvage Pump Assembly (51721592) (Eff. 6-08).....165
Antifreeze/Salvage/Water Pump (70734343) (Eff. 6-2008).....166
Salvage Pump Assembly (51712836/Dwg. 99903743) (Thru 5-08).....168
Headache Rack Parts & Installation (99903657).....169
Master Lock System Drawing (99903665).....171
Master Lock Kits.....174
Fuel Fill, Chevy/GMC (99903710).....175

Salvage / Plumbing Installation Kit (99903803)



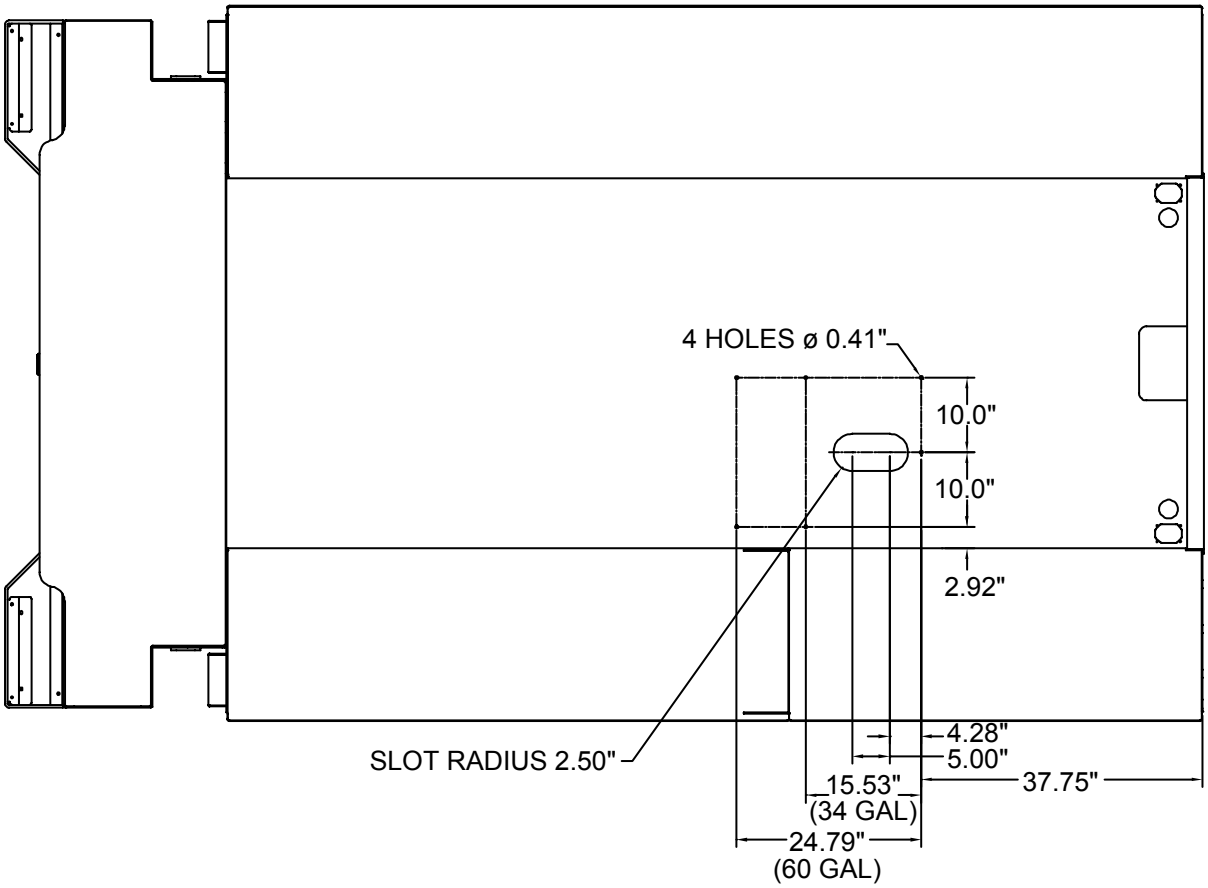
99903803 HOLE DETAIL - INSTALLATION OF SALVAGE TANK ON UNITS WITHOUT A WELDER CUTOUT


DETAIL OF HOLE TO BE CUT IN THE FLOOR
FOR THE SALVAGE TANK. USE THIS LOCATION
ONLY IF THERE IS NOT A WELDER CUTOUT.
14.0"
3.50"
5.50"
FRONT

51712838 PARTS LIST (DRAWING 99903803)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	REF	TANK-WLDMT	1
	52719967	34 GALLON SALVAGE TANK WELDMENT	
	52719985	60 GALLON SALVAGE TANK WELDMENT	
	52720009	TANK-WLDMT, 34 GAL SALVAGE (LOADBED)	
	52720028	TANK-WLDMT, 60 GAL SALVAGE (LOADBED)	
	51719983	34 GALLON SALVAGE KIT (W/O WELDER)	
	51719984	60 GALLON SALVAGE KIT (W/O WELDER)	
2.	REF	PUMP ASM SALVAGE	1
3.	72532681	SIGHT GAUGE- .75 PLUG W/REFLCT	1
4.	72532436	FAST FILL-VENT (ZV10)	1
5.	72531836	REDUCER BUSH-STL 1.25- .75	1
6.	72533054	ELBOW-MPT/45/M JIC .75 12	1
7.	72532976	HOSE FTG-TYPE F 12 .75 PARK	A/R
8.	72533378	HOSE FTG-TYPE J 12 .75 PARK	A/R
9.	72533445	HOSE FTG-TYPE Z 12 .75 PARK	A/R
10.	REF	FILTER-REGULATOR-LUBRICATOR	1
11.	72531991	TEE-STREET STL .50	1
12.	72533592	NIPPLE-BARB BRS .50MPT/90/.75 (PART OF FRL)	1
13.	72531830	REDUCER BUSH-STL .50- .25	1
14.	72053459	NIPPLE-BARB BRS .25MPT .25	1
15.	89393634	HOSE-HYD .75 100R4 881-12 PAR	A/R
16.	89392146	HOSE-GP .25 X 250 WP GRAY 801-4	A/R
17.	72066452	CLAMP-HOSE .25- .62 SAE 4 SS	2
22.	52719770	HYD RESERVOIR WELDMENT	1
23.	99903748	FLOOR, 11' RR CRANE	1

REV. A 20060307

Salvage Tank Installation, Welder in Load Bed (99903807)

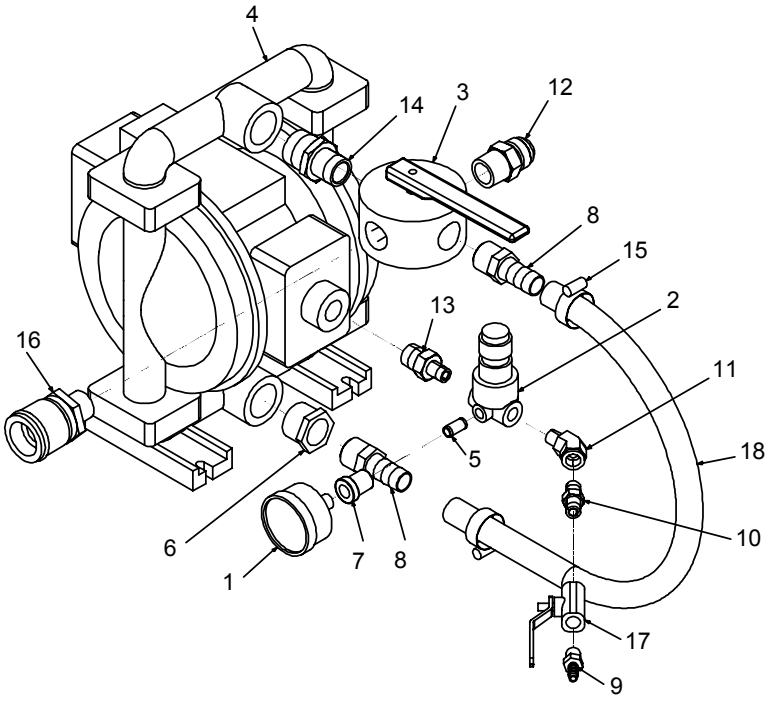


MOUNTING HOLES AND CUTOUTS
FOR INSTALLATION OF SALVAGE
TANK WITH WELDER IN LOADBED.

NOTE:

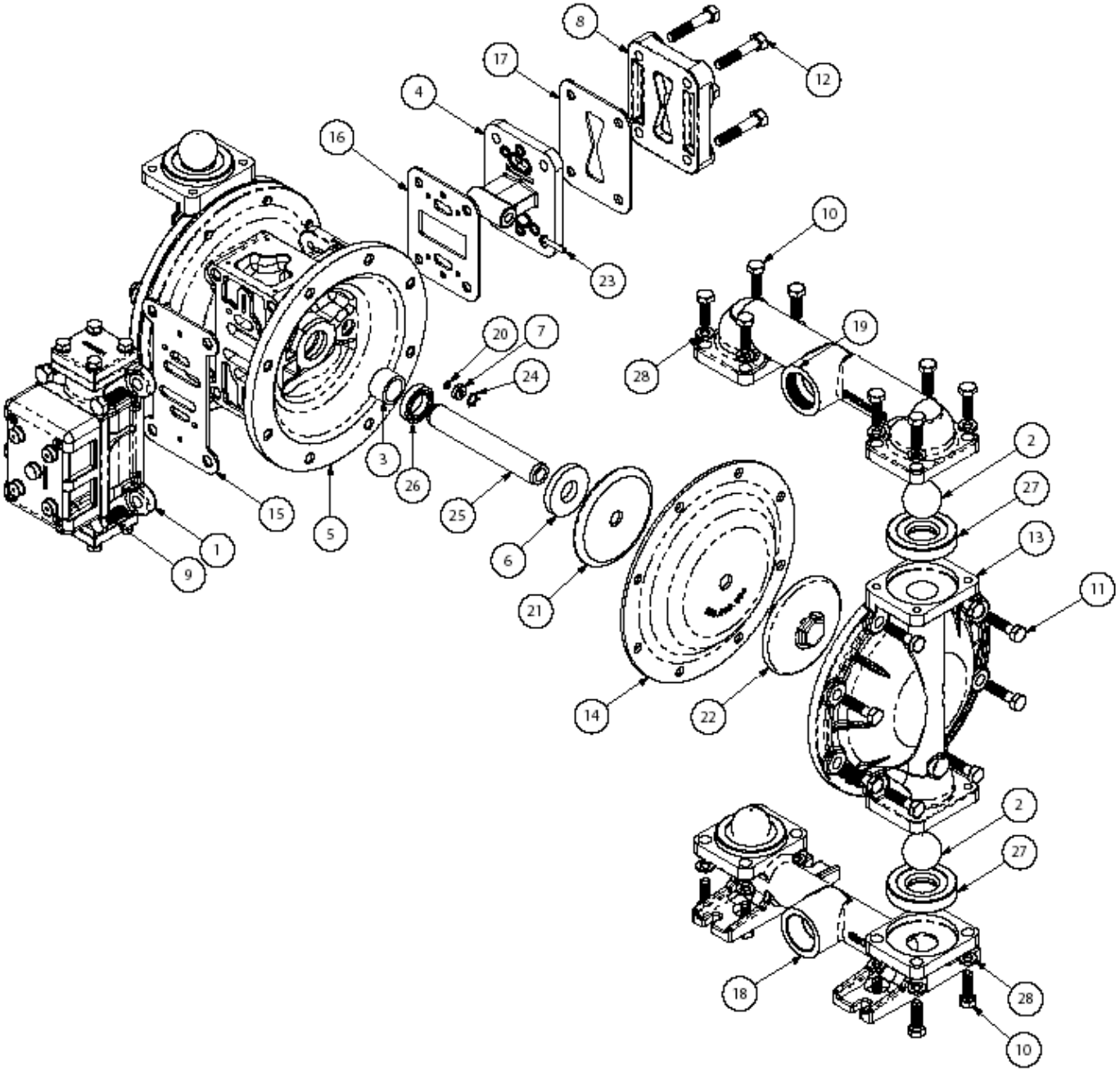
See 99903803 for plumbing information.

Salvage Pump Assembly (51721592) (Eff. 6-08)



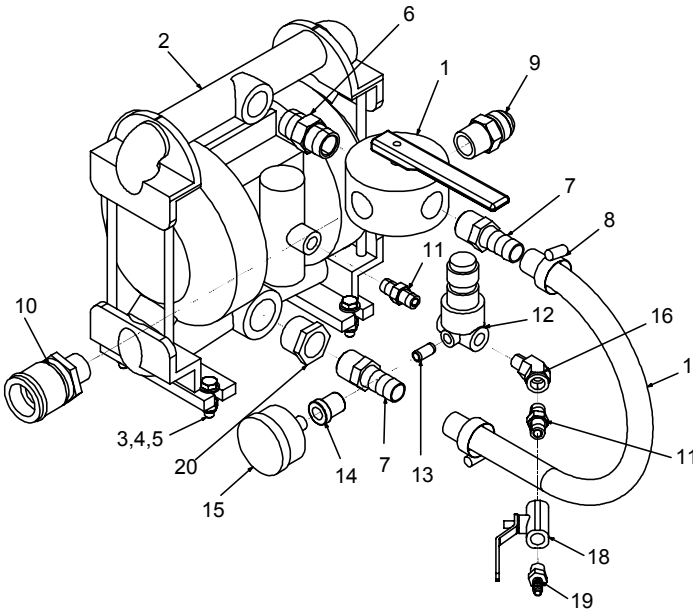
51721592 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70048015	GAUGE-PRESS AIR 300 CNTR MNT	1
2.	70048059	REGULATOR-AIR FIXED	1
3.	70732360	VALVE-4WAY	1
4.	70734343	PUMP-DIAPHRAGM 1.00in METALLIC	1
5.	72053000	NIPPLE-PIPE BLK .12X CLOSE	1
6.	72053376	REDUCER BUSH-BLK 1.00- .75	1
7.	72053431	COUPLING-RED BLK .25 - .12	1
8.	72053458	NIPPLE-BARB BRS .75MPT .75	2
9.	72053459	NIPPLE-BARB BRS .25MPT .25	1
10.	72053517	ADAPTER-MPT/HEX/MPT .25 .25	1
11.	72053533	ELBOW-STREET STL .25 X 45 DEG	1
12.	72053676	ADAPTER-MPT/M JIC .75 12	1
13.	72053724	ADAPTER-MPT/HEX/MPT .50 .25	1
14.	72053727	ADAPTER-MPT/HEX/MPT 1.00 .75	1
15.	72066000	CLAMP-HOSE .50-1.25 SAE 12	2
16.	72532421	FAST FILL-SOCKET	1
17.	73054122	VALVE-BALL .25	1
18.	89393634	HOSE-HYDRAULIC .75 100R4	1
REV. A 20080702			

Antifreeze/Salvage/Water Pump (70734343) (Eff. 6-2008)



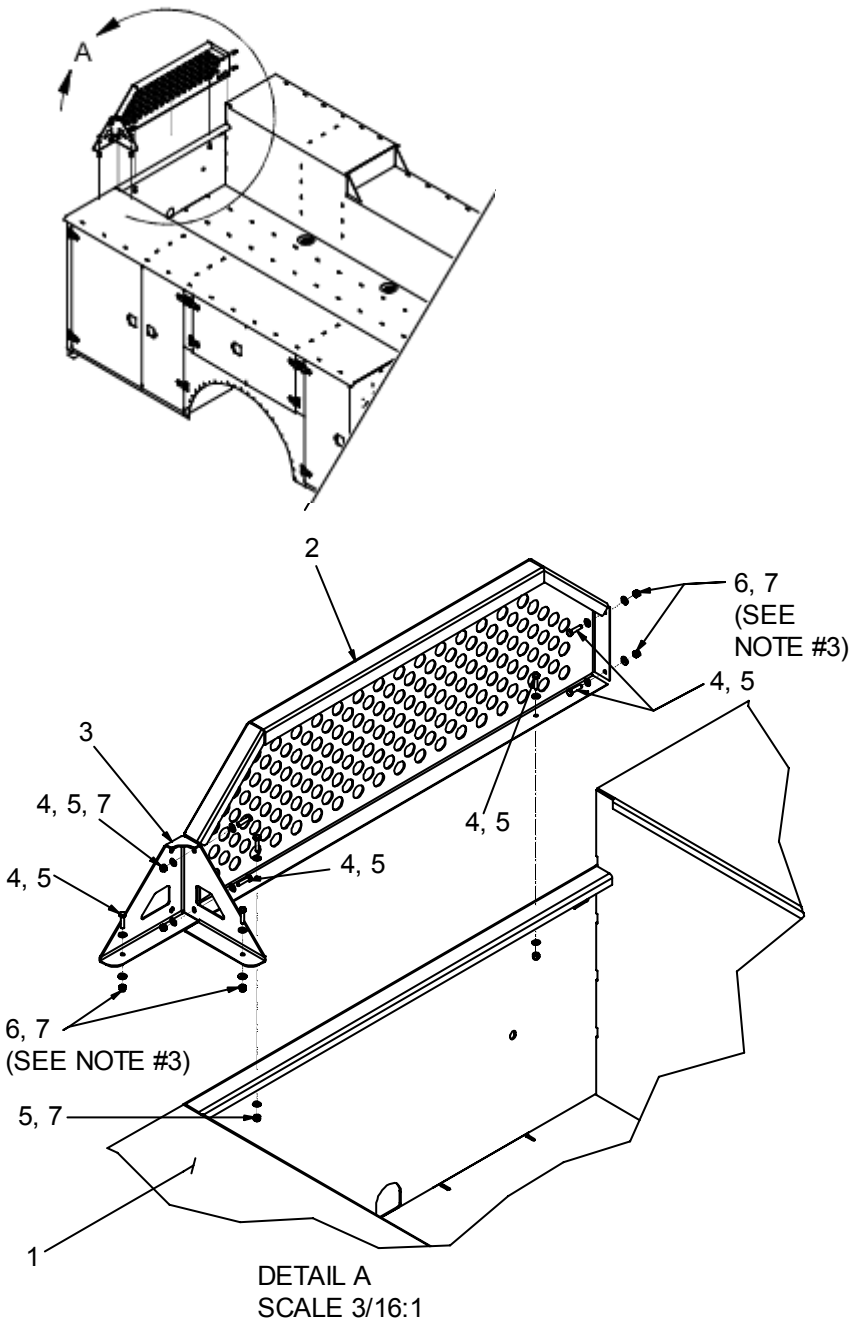
70734343 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73734362	AIR VALVE ASSEMBLY (PART OF 30)	1
2.	73734363	CHECK BALL (PART OF 29)	4
3.	73734364	BEARING, SLEEVE	2
4.		VALVE, PILOT (PART OF 30)	1
5.		INTERMEDIATE	1
6.		BUMPER (PART OF 30)	2
7.		BUSHING (PART OF 30)	2
8.		CAP, AIR INLET ASSEMBLY	1
9.		CAPSCREW, 3/8-16 X 1.00	4
10.		CAPSCREW, HEX 5/16-18 X 1.00	16
11.		CAPSCREW, HEX HD, 5/16-18 X 1 1/4	16
12.		CAPSCREW, HEX HD 5/16-18 X 1 3/4	4
13.		CHAMBER, OUTER	2
14.	73734365	DIAPHRAGM (PART OF 29)	2
15.	73734366	GASKET, AIR VALVE (PART OF 30)	1
16.	73734367	GASKET, PILOT VALVE (PART OF 30)	1
17.	73734368	GASKET, AIR INLET CAP (PART OF 30)	1
18.		MANIFOLD, SUCTION	1
19.		MANIFOLD, DISCHARGE	1
20.	73734369	O-RING (PART OF 30)	2
21.		PLATE, INNER DIAPHRAGM	2
22.		PLATE, OUTER	2
23.		ACTUATOR PIN (PART OF 30)	2
24.		RING, RETAINER (PART OF 30)	2
25.	73734370	DIAPHRAGM ROD	1
26.	73734371	SEAL, U-CUP (PART OF 30)	2
27.	73734372	SEAT, CHECK BALL (PART OF 29)	4
28.		LOCK WASHER, 5/16	16
29.	94744179	FLUID REPAIR KIT (INCL. 2,14,27)	REF
30.	94744180	AIR END KIT (INCL. 1,4,6,7,15-17,20,23,24,26)	REF

Salvage Pump Assembly (51712836/Dwg. 99903743) (Thru 5-08)



51712836 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70732360	VALVE-4WAY	1
2.	70731387	PUMP	1
3.	72060026	CAP SCR .31-18X 1.25 HH GR5 Z	4
4.	72062109	NUT .31-18 HEX NYLOCK	4
5.	72063002	WASHER .31 FLAT	4
6.	72053558	ADPTR-MPT/HEX/MPT .75 .75	1
7.	72053458	NIPPLE-BARB BRS .75MPT .75	2
8.	72066000	CLAMP-HOSE .50-1.25 SAE 12	2
9.	72053676	ADPTR-MPT/M JIC .75 - 12	1
10.	72532421	FAST FILL-SOCKET (OS-2)	1
11.	72053517	ADPTR-MPT/HEX/MPT .25 .25	2
12.	70048059	REGULATOR-AIR	1
13.	72053000	NIPPLE-PIPE BLK .12X CLOSE	1
14.	72053431	COUPLING-RED BLK .25 - .12	1
15.	70048015	GAUGE-PRESS AIR 300 CNTR MNT	1
16.	72053533	ELBOW-STREET STL .25 X 45 DEG	1
17.	89393634	HOSE-HYD .75 100R4	18"
18.	73054122	VALVE-BALL .25	1
19.	72053459	NIPPLE-BARB BRS .25MPT .25	1
20.	72053376	REDUCER BUSH-BLK 1.00- .75	1
NEW 20080318			

Headache Rack Parts & Installation (99903657)



NOTES:

1 Drill 3/8" diameter holes to fasten headache rack.

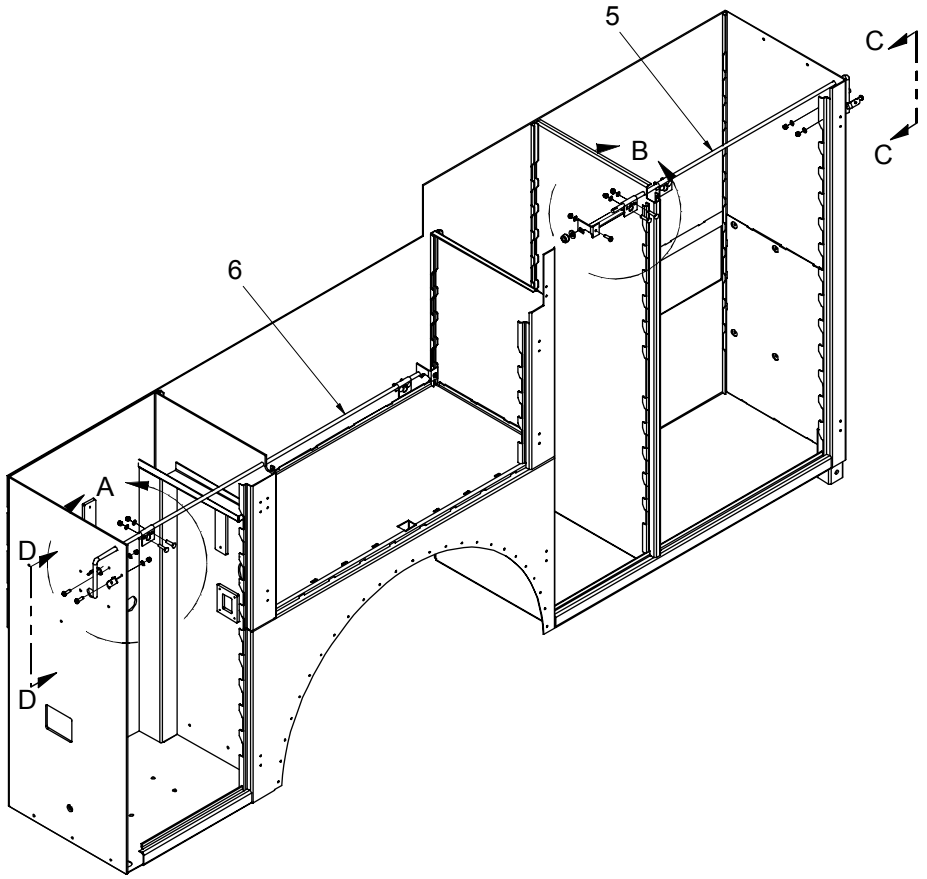
2 Item #3, headache rack end, required only with standard compartment. Used on either side.

3 Use bonded washers when attaching to sidepack.

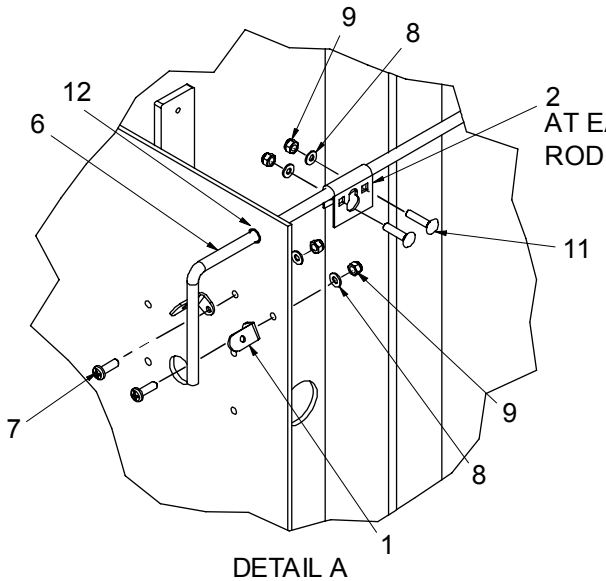
99903657 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	N/A	BODY-W D2-11' R 1 L STD	REF
2.	52718845	HEADACHE RACK BODY-BOLT ON	A/R
3.	52718846	HEADACHE RACK END GUSSET-BOLT ON	A/R
4.	72060025	CAP SCR.31-18X 1.0 HHGR5Z (WAS 72060026, 72601832)	A/R
5.	72063002	WASHER .31 FLAT (WAS 72063184)	A/R
6.	76392598	WASHER-BONDED PLTD .31	A/R
7.	72062109	NUT .31-18 HEX NYLOC (WAS 72062167)	A/R
REF	51718842	HEADACHE RACK, DOMINATOR STANDARD RIGHT AND STANDARD LEFT	
REF	51718843	HEADACHE RACK, DOMINATOR STANDARD LEFT AND RAISED RIGHT	
REF	51718844	HEADACHE RACK, DOMINATOR RAISED RIGHT AND LEFT	
REV B 20061107			

REV. A 20051122

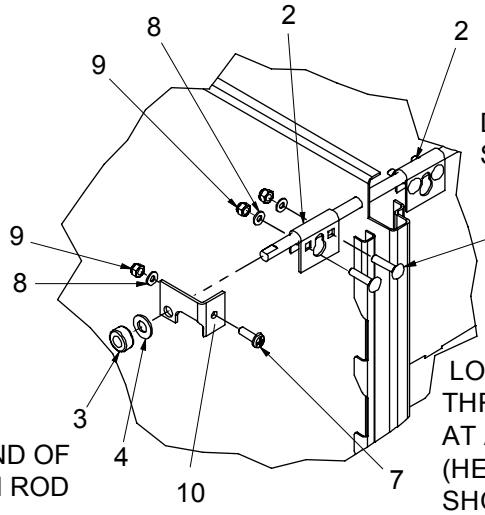
Master Lock System Drawing (99903665)



MASTER LOCK SYSTEM DETAILS



DETAIL A
SCALE 3/8

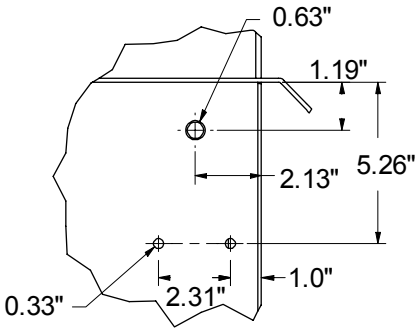


DETAIL B
SCALE 3/8

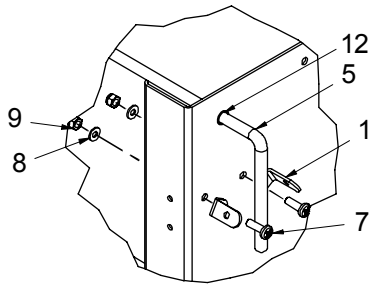
AT END OF
EACH ROD

LOCATE & DRILL
THROUGH HEADER
AT ASSEMBLY.
(HEADER NOT
SHOWN)

USE BRACKET AT END OF EACH ROD
AND AT CENTER OF UNSUPPORTED
SPAN OF 40" OR GREATER

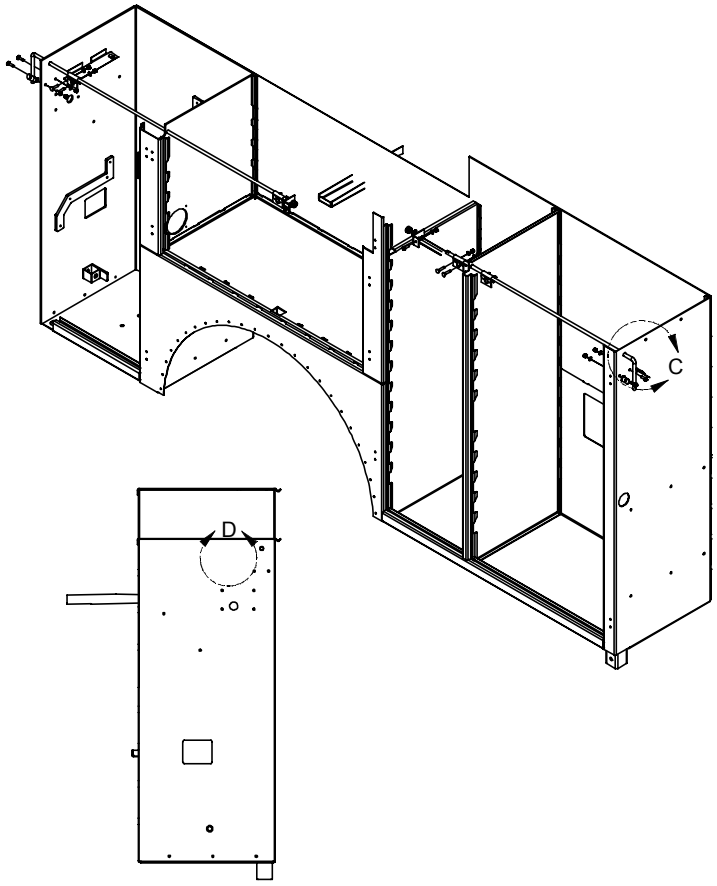


DETAIL D
SCALE 1/2
DRILL HOLES IN SIDEPACK
THROUGH ONE WALL ONLY.
MIRROR AS NEEDED FOR
FRONT END OR LEFT SIDEPACK.



DETAIL C
SCALE 3/8"
SEE DETAIL "D"
FOR DRILLING
INSTRUCTIONS

MASTER LOCK SYSTEM INSTALLATION



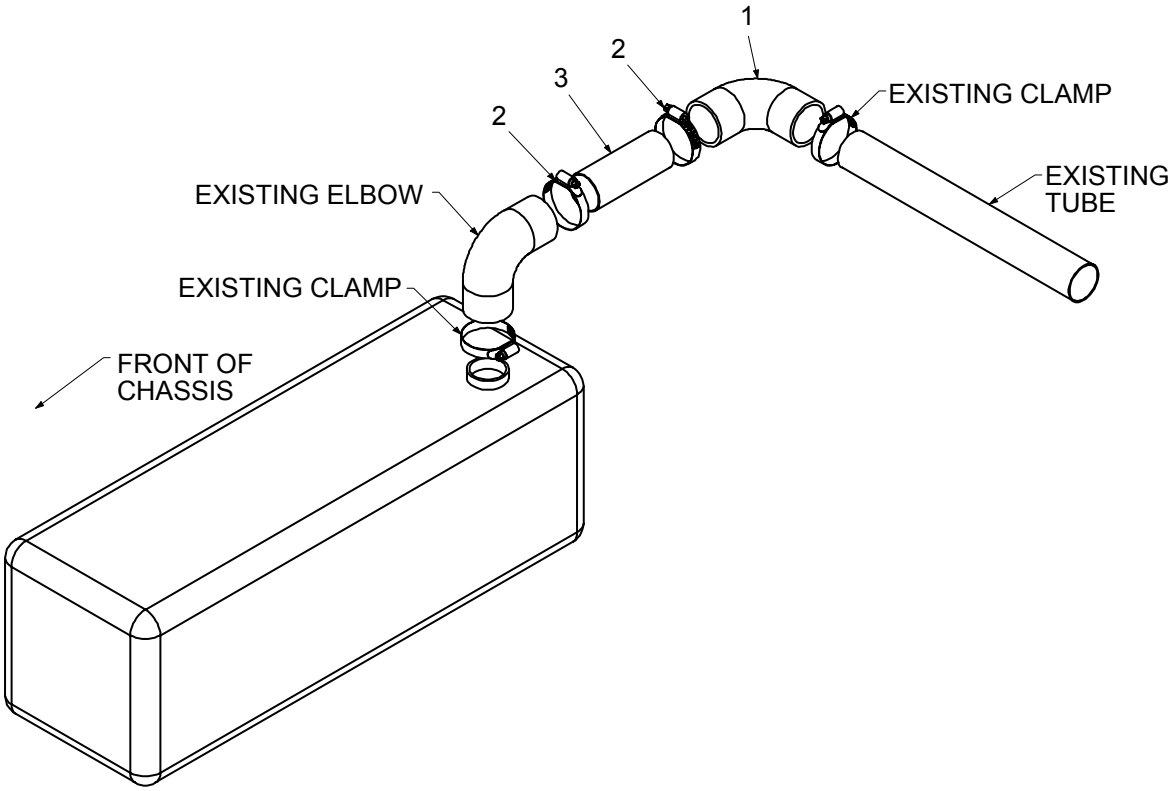
99903665 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60117213	BRACKET-PADLOCK MASTER LOCK	A/R
2.	60117216	BRACKET-ROD STOP 2.00 M LOCK	A/R
3.	70143654	COLLAR-SHAFT 2 PIECE 1/2 in.	A/R
4.	72063205	WASHER-SS .50 FLAT TYPE 304	A/R
5.	FRONT	ROD-MASTER LOCK	A/R
6.	REAR	ROD-MASTER LOCK	A/R
7.	72601590	CAP SCREW-STAINLESS STEEL .31-18X1.00 TRH PHH	A/R
8.	72063001	WASHER .25 FLAT (WAS 72063166, 72063152)	A/R
9.	72062109	NUT-.31-18 HEX NYLOC (WAS 72062167)	A/R
10.	60117214	BRACKET-ROD HANGER	A/R
11.	72601435	CARRIAGE BOLT-.31-18X 1.25 SQNK GR2 (WAS 72601847)	A/R
12.	70034277	GROMMET	A/R
REV. E 20071218			

Master Lock Kits

MASTER LOCK KIT #	BODY DESCRIPTION
51719620	11' DOMINATOR II WITH RIGHT-FRONT RAISED, LEFT STANDARD
51719621	11' DOMINATOR II WITH RIGHT AND LEFT STANDARD
51719622	11' DOMINATOR II WITH RIGHT FRONT AND LEFT FRONT RAISED
51719623	11' DOMINATOR II WITH ALL RAISED (DROPPED CRANE BOX)
51719624	11' DOMINATOR II WITH RIGHT FRONT RAISED, LEFT ALL RAISED
51719625	13' DOMINATOR II WITH RIGHT FRONT RAISED
51719626	14' DOMINATOR II WITH RIGHT FRONT AND LEFT FRONT RAISED
51719627	14' DOMINATOR II WITH RIGHT FRONT, ALL LEFT RAISED

		QUANTITY							
	KIT #	51719620	51719621	51719622	51719623	51719624	51719625	51719626	51719627
PART #	DESCRIPTION								
99903665	DRAWING, INSTALLATION	1	1	1	1	1	1	1	1
60121632	ROD- 106X6	1	2		1	1			
70143654	COLLAR-SHAFT 2 PIECE	6	4	8	6	6	6	8	6
60117213	BRACKET-PADLOCK	6	4	8	6	6	6	8	6
60117216	BRACKET-ROD STOP	8	8	8	8	8	10	10	10
60117214	BRACKET-ROD HANGER	2	2	2	2	2	2	2	2
60127757	ROD- 10 X 6				1				
60121633	ROD- 43 X 6	1		2		1	1	2	1
60127755	ROD- 60 X 6	1		2		1			
60117222	ROD- 95 X 6				1				
60118723	ROD- 98.75 X 6						1	2	1
60119910	ROD- 134.5 X 6						1		
60120170	ROD- 145 X 6								1
51719682	HARDWARE KIT	1	1	1	1	1			
51719686	HARDWARE KIT						1	1	1

Fuel Fill, Chevy/GMC (99903710)



99903710 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	70396444	ELBOW, 90 DEG FUEL HOSE 2” (RUBBER)	2
2.	72066062	HOSE CLAMP	4
3.	60128990	TUBE	1

NEW 20051020

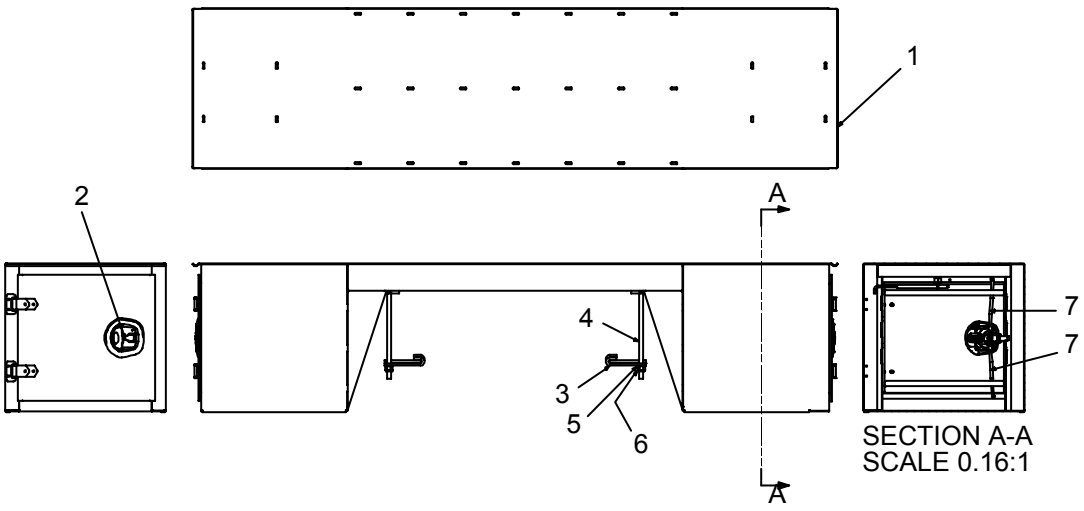
CHAPTER 12

Welder Platforms

In This Chapter

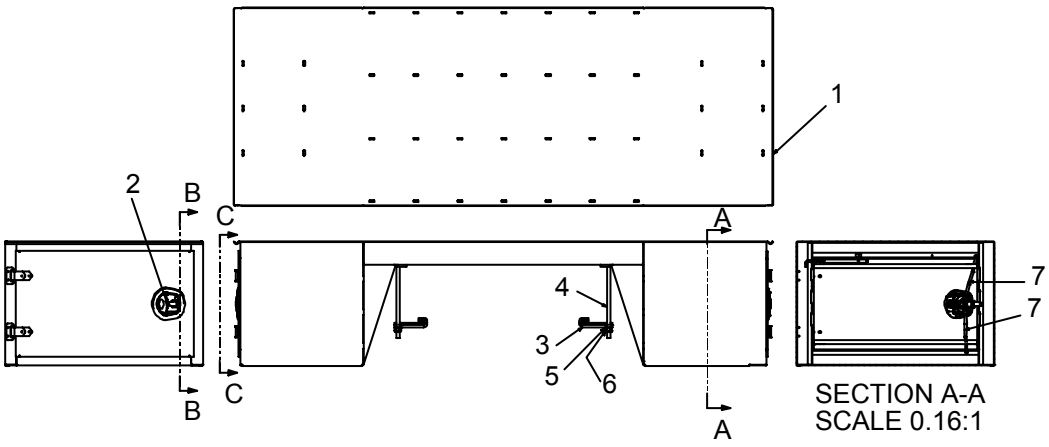
Welder Deck, 24" Long with 2 Underbody Toolboxes (51720055)..... 177
Welder Deck, 35" Long with 2 Underbody Toolboxes (51720057)..... 178
Welder Deck, 36" Long with Flat Deck (51720059)..... 179
Welder Deck, 24" Long with Tall Compartment (51719952) 179
Welder Deck, 35" Long with Curbside Tall Compartment (51720061)..... 181
Welder Deck, 35" Long with Streetside Tall Compartment (51720063)..... 182

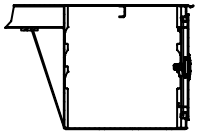
Welder Deck, 24" Long with 2 Underbody Toolboxes (51720055)



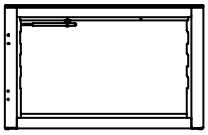
51720055 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720056	WELDER DECK-WLDMT 35in L UBT-R UBT	1
2.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
3.	60108981	TIE DOWN-BODY 4.00 FRAME	4
4.	60109048	ROD-THREADED .62-11 X 14.00	4
5.	72063007	WASHER .62 FLAT	8
6.	72062091	NUT .62-11 HEX NYLOCK	8
7.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	4
NEW 20070302			

Welder Deck, 35" Long with 2 Underbody Toolboxes (51720057)





VIEW:
INSIDE
UBTB



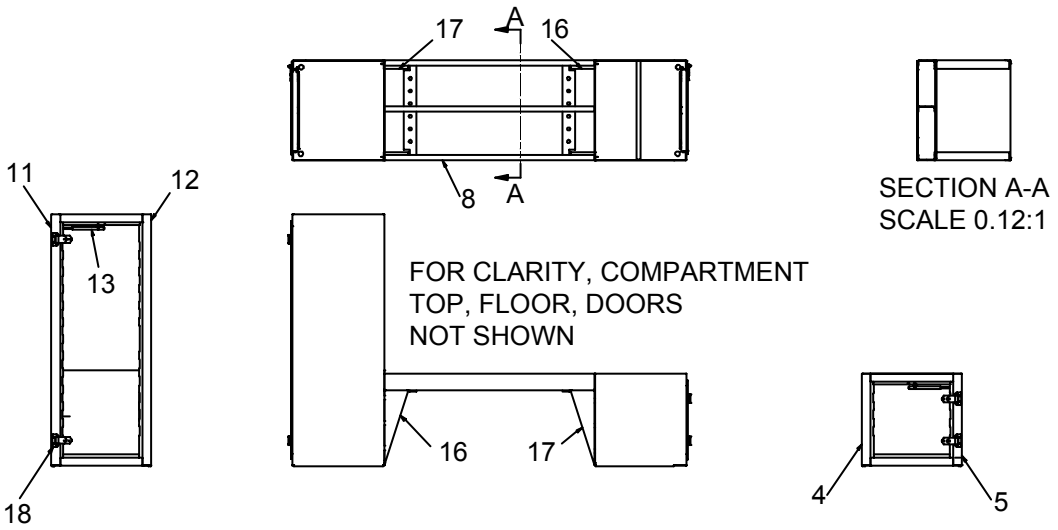
VIEW C-C
SCALE 0.16:1

51720057 PART LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720058	WELDER DECK-WLDMT 35in L UBT-R UBT	1
2.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
3.	60108981	TIE DOWN-BODY 4.00 FRAME	4
4.	60109048	ROD-THREADED .62-11 X 14.00	4
5.	72063007	WASHER .62 FLAT	8
6.	72062091	NUT .62-11 HEX NYLOCK	8
7.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	4
NEW 20070302			

Welder Deck, 36" Long with Flat Deck (51720059)

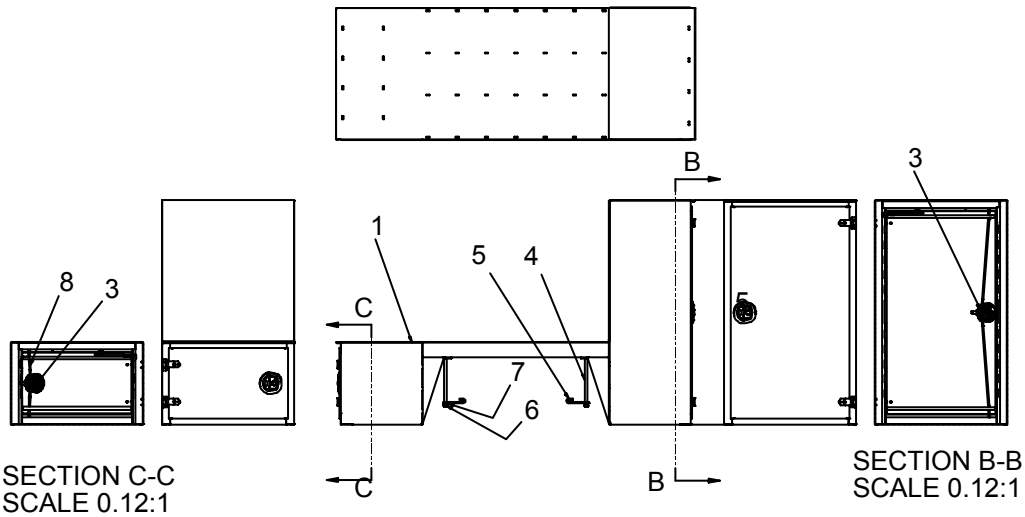
51720059 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	77044807	HARNESS-LUBE FRONT MARKER LIGHTS	1
2.	51716399	HARDWARE KIT	1
3.	52720060	WELDER DECK, 36" FLAT	1
4.	60108981	TIE DOWN	4
5.	60109048	THREADED ROD, 0.62-11 X 14	4

Welder Deck, 24" Long with Tall Compartment (51719952)



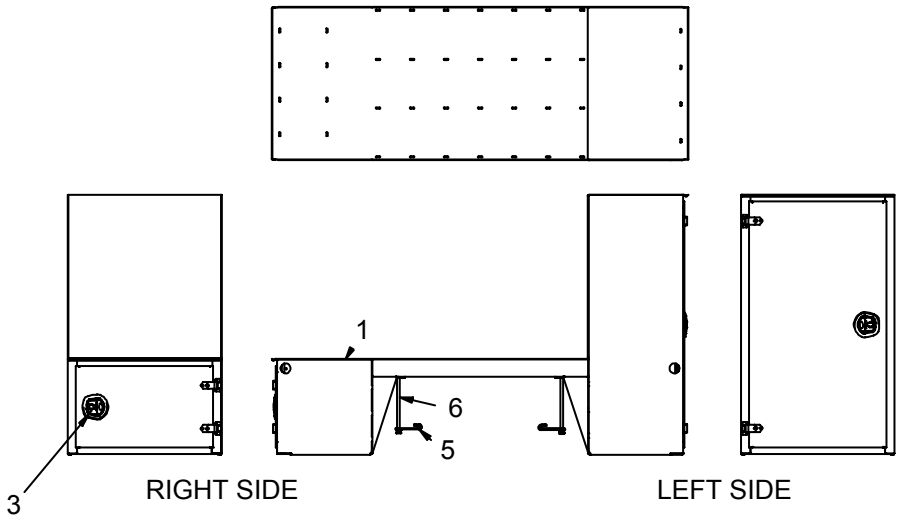
51719952 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
REF	52719953	D(II)-WELDER DECK-W D2 24in L RSD-R UBT	INCL 4-28
4.	60128310	PANEL WELDER DECK UBTB RF #2	1
5.	60128312	PANEL WELDER DECK UBTB RF #1	1
8.	60128315	CHANNEL-FORM 1.24X 4.00X 50.00	3
11.	60128317	PANEL-WELDERDECK LF 60H #1	1
12.	60128318	PANEL-WELDERDECK LF 60H #2	1
13.	70144288	DOOR STOP-SELF CLOSING SPRING	2
16.	60116990	GUSSET-FRONT PANEL RH BTTM D2	2
17.	60117060	GUSSET-FRONT PANEL LH BTTM D2	2
18.	72661383	HINGE-SS 10GA BUTT W/IMT LOGO OFFSET	4
20.	60129361	BACK-BTM WELDER DECK RF D2 24in	1
21.	60129358	SDPK HEADER WELDER DECK 19.62	2
22.	60129362	CHANNEL-FORM 1.00X 2.00X 23.62	1
23.	60129360	MTG BAR-WLDR DECK 24in W D(II) 2	2
24.	60129357	BACK-BTM WELDER DECK LF D2 24in	1
25.	60129356	TOP WELDER DECK CARGO FLOOR UBTB-VERT COMPT 24in	1
26.	60129359	TOP-WELDER DECK RSD COMPT D2 24in	1
27.	52719954	DOOR-WLDMT HEM D(II) 18.88H X 20.50W (40	1
28.	52719092	DOOR-WLDMT HEM D(II) 56.88H X 20.50W (40	1
NEW 20070302			

Welder Deck, 35" Long with Curbside Tall Compartment (51720061)



51720061 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720062	WELDER DECK-WLDMT 35in L UBTB-R RSD	1
3.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
4.	60109048	ROD-THREADED .62-11 X 14.00	4
5.	60108981	TIE DOWN-BODY 4.00 FRAME	4
6.	72062091	NUT .62-11 HEX NYLOCK	8
7.	72063007	WASHER .62 FLAT	8
8.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	2
10.	60130297	ROD-DOOR 27.12 LG W/.75" OFFSET	2
REV. A 20070302			

Welder Deck, 35" Long with Streetside Tall Compartment (51720063)



ITEM	PART #	DESCRIPTION	QUANTITY
1.	52720064	WELDER DECK-WLDMT 35in L RSD-R UBT	1
3.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	2
5.	60108981	TIE DOWN-BODY 4.00 FRAME	4
6.	60109048	ROD-THREADED .62-11 X 14.00	4
7.	72062091	NUT .62-11 HEX NYLOCK	8
8.	72063007	WASHER .62 FLAT	8
9.	60128412	ROD-DOOR 8.12 LG W/.75" OFFSET	2
10.	60130297	ROD-DOOR 27.12 LG W/.75" OFFSET	2

CHAPTER 13

Dominator Decal Examples & Placement

In This Chapter

Decal List....183
Dominator and Crane Logo Placement....185
Body Safety Decal Placement....186
Dominator Control Decal Placement....187
Crane Safety Decal Placement on Dominator Door....188
Hydraulic Oil Decal Placement....189
Fuel Tank Decal Placement....190
Air Tank Decal Placement....191
Outrigger Decal Placement....192
Reflector & Hitch Decal Placement....193
Compressor Decal Placement....195

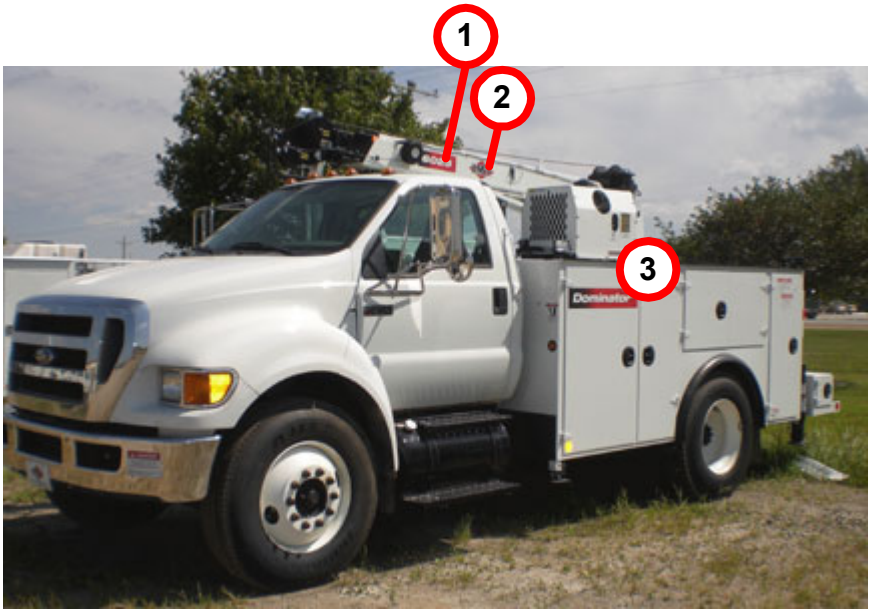
Decal List

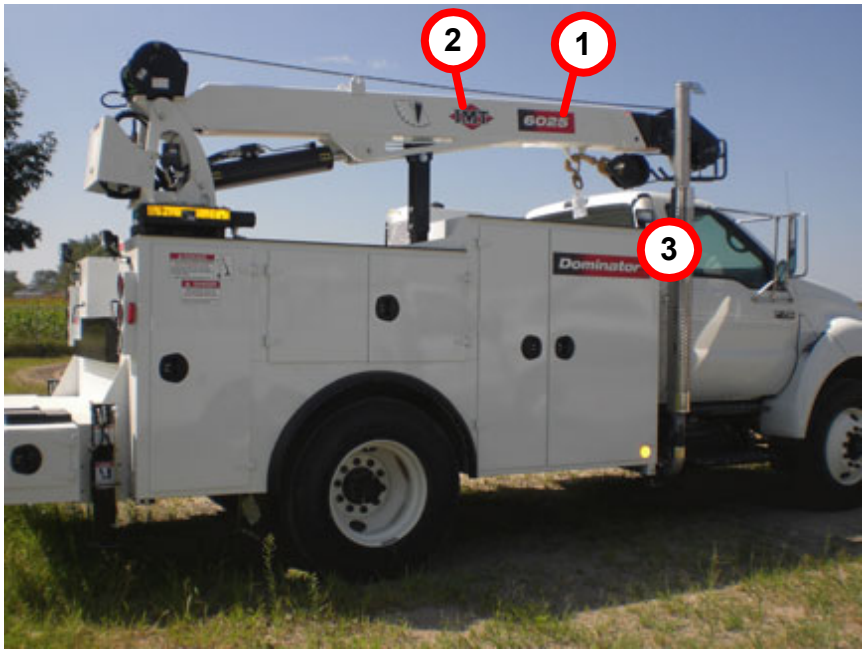
Dominator I, II, IV, and DSC20 have many common and some unique decals. See the chart below and the decal application photos on subsequent pages for application details.

ITEM	DECAL PART NUMBER	DESCRIPTION	QUANTITY PER BODY	MODEL	NOTES
1.	70396637	DOMINATOR DECAL KIT	1	ALL	INCLUDES ITEMS 2-8
2.	70396657	DECAL-DOMINATOR IDENTIFICATION	2	ALL	
3.	70392213	DECAL-CAUTION, DON'T WASH/WAX	1	ALL	
4.	70392309	DECAL-DIESEL FUEL ONLY	2	ALL	FOR DIESEL ENGINES ONLY
5.	70392453	DECAL-UNLEADED GASOLINE ONLY	2	ALL	FOR GASOLINE ENGINES ONLY
6.	71393886	DECAL-DANGER EXPLODING TANK	1	ALL	
7.	70391601	DECAL-AIR TANK DRAIN	1	ALL	
8.	70392982	DECAL-SERVICE & REPAIR	1	ALL	
9.	70396635	DECAL-FUSE PANEL LAYOUT	1	DOM I & II	
10.	70396600	DECAL-ELECTRICAL PANEL	1	DOM I & II	
11.	70396254	DECAL-SWITCH BRACKET	1	DSC20	
12.	70396891	DECAL-ELECTRICAL PANEL	1	DOM IV	
13.	70396892	DECAL-SWITCH PANEL	1	DOM IV	
14.	70398872	MANUAL OPERATION, OUTRIGGER VALVEBANK (WAS 70396633 PRIOR TO 6-15-07, 70397215 FROM 6-15-07 THRU 11-30-09)	1	DOM I & II	
15.	70398873	MANUAL OPERATION, DOM IV OUTRIGGER VALVEBANK (WAS 70396921 THRU 11-30-09)	1	DOM IV	
16.	70397063	DECAL-HITCH, RECEIVER 2000V-16000P	1	DOM I & DSC	
17.	70397064	DECAL-HITCH, PINTLE 6000V-30000P	1	DOM II & IV	
18.	70398983	DECAL-CAUTION, WELDING DAMAGE	1	ALL	BY LIGHT BOX ON REAR OF VEHICLE

Dominator and Crane Logo Placement

Place the crane model number, item #1; IMT diamond, item #2; and Dominator ID Decal (70396657), item #3; on each side of the unit as shown.

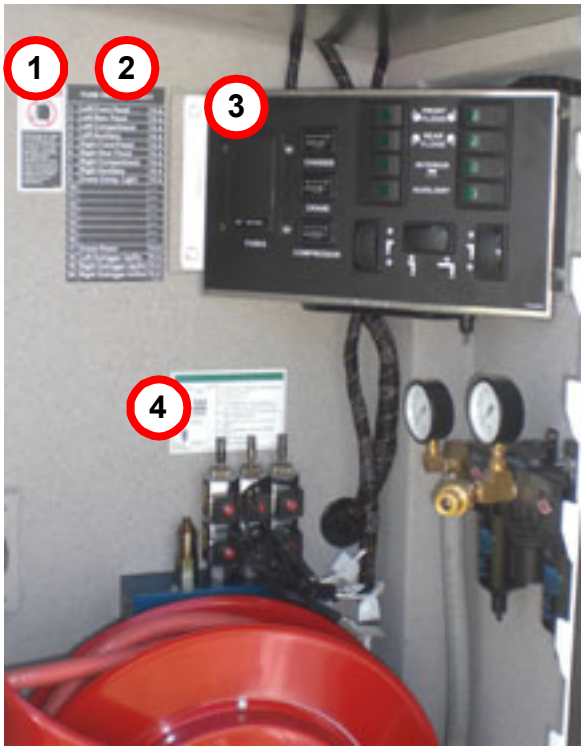




Body Safety Decal Placement

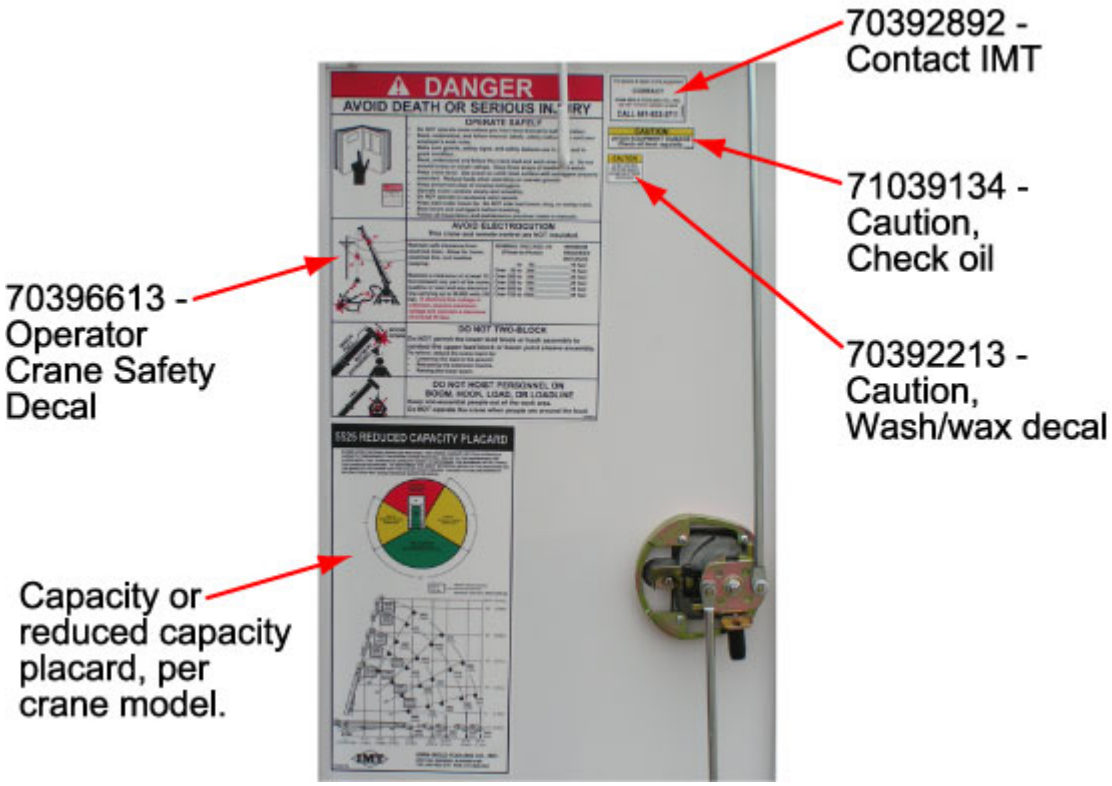
Both item #1 - 70394445, and item #2 - 70392868, are applied on all four sides of the carrier vehicle, so the operator can see the dangers regarding electrocution and the crane loadline from any point of crane operation.

Dominator Control Decal Placement

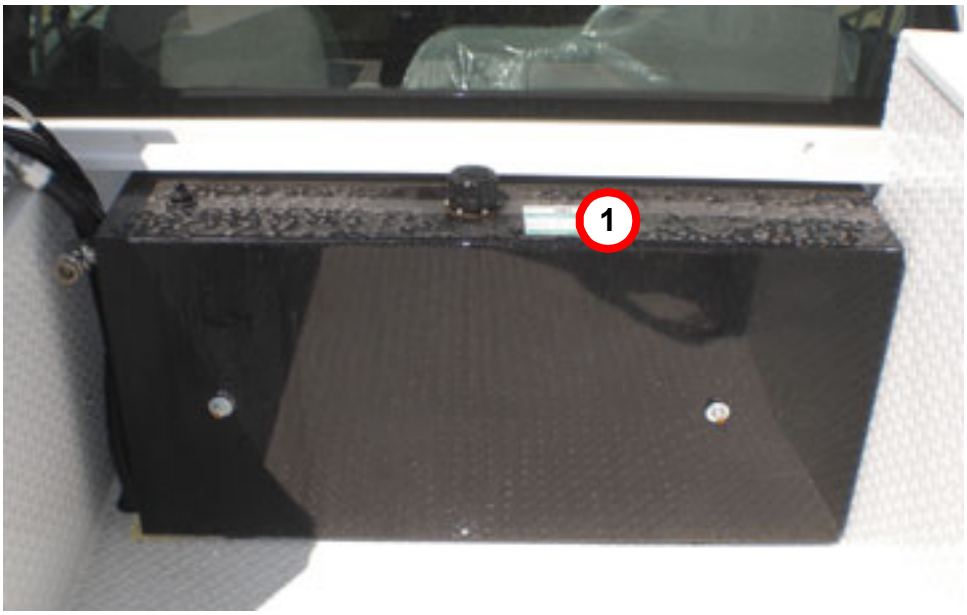


1	70396164	Decal - Danger, Breathing Hazard
2	70396635	Decal - Dominator Fuse Panel
3	70396600	Decal - Dominator Electrical Panel (Dominator I and II) (Dominator IV uses 70396891 Electrical Panel Decal)
4	70398872	Decal - Manual Operation, Outrigger (Dominator I and II) (Dominator IV uses 70398873)

Crane Safety Decal Placement on Dominator Door

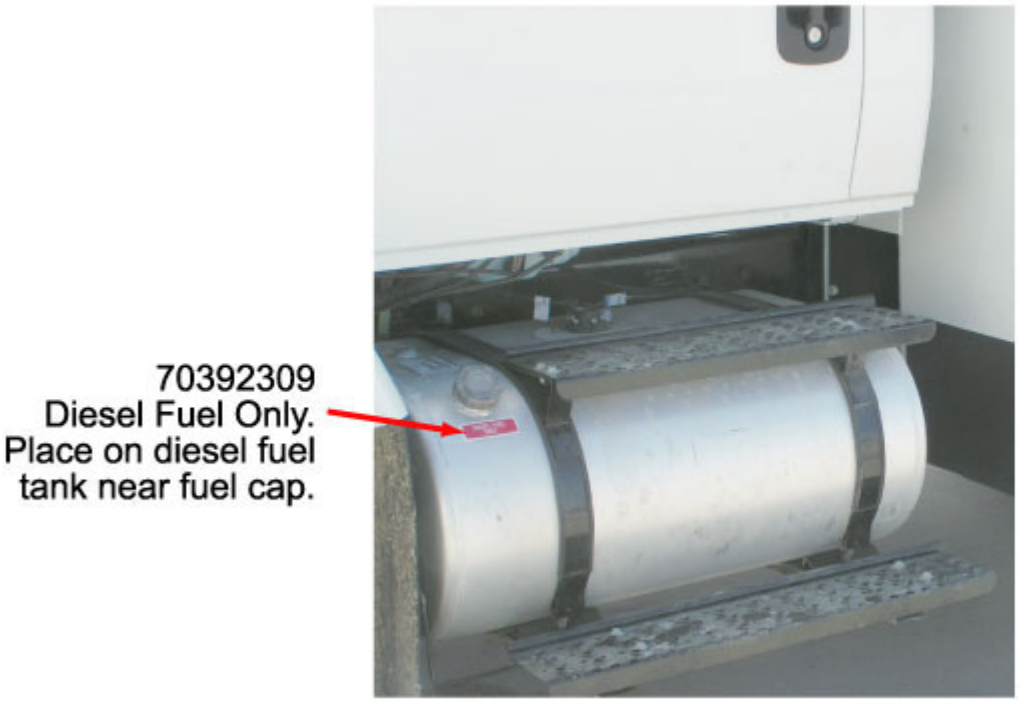

70392892 - Contact IMT
71039134 - Caution, Check oil
70392213 - Caution, Wash/wax decal
70396613 - Operator Crane Safety Decal
Capacity or reduced capacity placard, per crane model.
DANGER
AVOID DEATH OR SERIOUS IN
5525 REDUCED CAPACITY PLACARD

Hydraulic Oil Decal Placement



Place 70394189, Decal-Mobil Oil Recommendations, on top of the hydraulic tank and on the right side of the fill cap. Decal must be legible from inside the load bed.

Fuel Tank Decal Placement



Note: If unleaded gas fuel tank, use decal part number 70392453.

Air Tank Decal Placement

70391601- Air tank drain- located on door where air tank is stored.

71393886 - Exploding tank - located on door where air tank is stored.

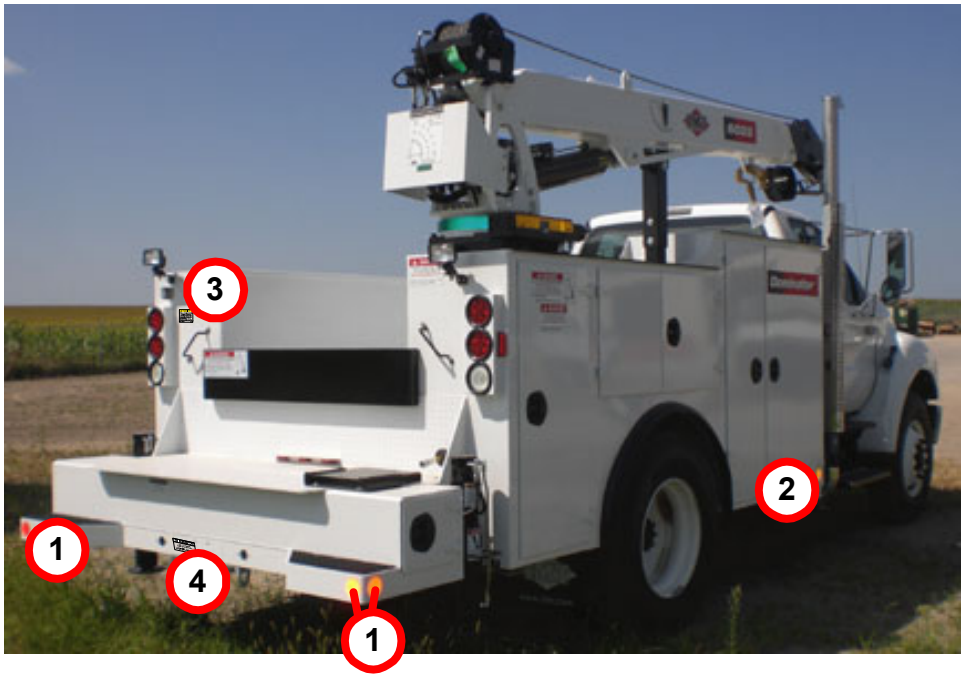
Outrigger Decal Placement

70391598 - Warning, manual outriggers. One decal on each outrigger.

70392864 - Danger, outrigger crushing hazard. Placement shown on rear outrigger. Typical - 2.

70392864 - Danger, outrigger crushing hazard. Placement shown on sidepack wall. Typical - 2.

Reflector & Hitch Decal Placement



Place four red reflector decals, 70039057, item #1, at the sides and outer edges of the tailgate as shown.

Place two amber reflector decals, 70039058, item #2, at the front of the sidepacks as shown.

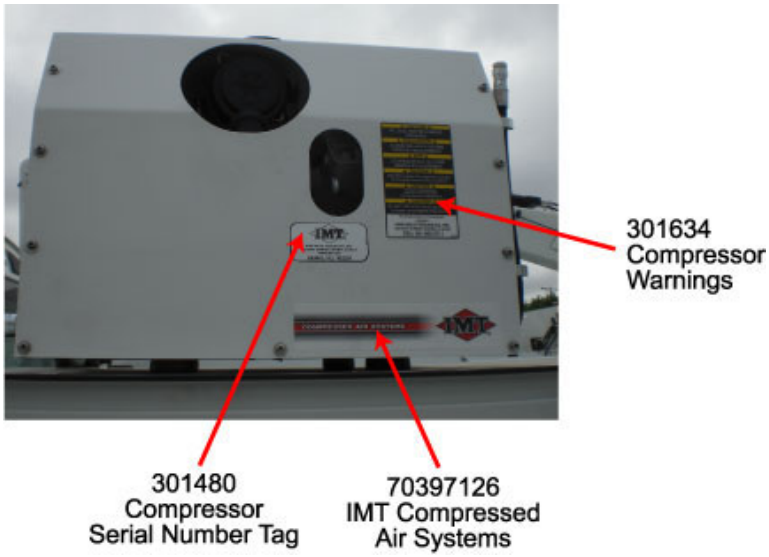
Place the welding caution decal, 70398983, item #3, on the side of the light box at the left rear of the body.

Place a hitch decal, item #4, above the hitch on the rear of the body. Typically, Dominator I and DSC use 70397063 - Receiver Hitch, 2000 lb tongue and 16,000 lb gross trailer weight. Typically, Dominator II and IV us 70397064 - Pintle Hitch, 6000 lb tongue and 30,000 lb gross trailer weight.

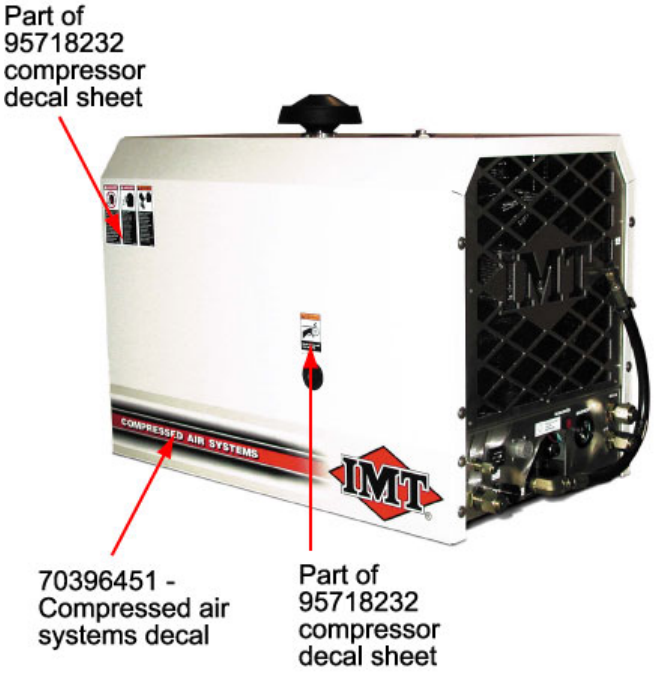
Compressor Decal Placement

The Dominator 2 may be purchased with a CAS435HA or CAS3560 compressor.

Decal placement on a CAS435HA compressor:



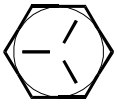
Decal placement on a CAS3560 compressor:



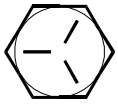
Thread Torque Chart (English)

Note: All decals for the CAS3560 air compressor are included on decal sheet 95718232. See the CAS3560 manual for complete decal placement information.

FINE THREAD BOLTS (ENGLISH)

SIZE	BOLT DIA.	GRADE 5  SAE J429 GRADE 5		GRADE 8 SAE J429 GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-24	0.3125	19	14	27	20
3/8-24	0.375	35	26	49	35
7/16-20	0.4375	55	41	78	58
1/2-20	0.5	90	64	120	90
9/16-18	0.5625	120	90	170	130
5/8-18	0.625	170	130	240	180
3/4-16	0.75	300	225	420	315
7/8-11	0.875	445	325	670	500
1-12	1	645	485	995	745
1 1/8-12	1.125	890	670	1445	1085
1 1/4-12	1.25	1240	930	2010	1510
1 3/8-12	1.375	1675	1255	2710	2035
1 1/2-12	1.5	2195	1645	3560	2670

COARSE THREAD BOLTS (ENGLISH)

SIZE	BOLT DIA.	GRADE 5  SAE J429 GRADE 5		GRADE 8 SAE J429 GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-18	0.3125	17	13	25	18
3/8-16	0.375	31	23	44	33
7/16-14	0.4375	49	37	70	52
1/2-13	0.5	75	57	105	80
9/16-12	0.5625	110	82	155	115
5/8-11	0.625	150	115	220	160
3/4-10	0.75	265	200	375	280
7/8-9	0.875	395	295	605	455
1-8	1	590	445	910	680
1 1/8-7	1.125	795	595	1290	965
1 1/4-7	1.25	1120	840	1815	1360
1 3/8-6	1.375	1470	1100	2380	1780
1 1/2-6	1.5	1950	1460	3160	2370

NOTES

1 Tightening torques provided are midrange.

2 Consult bolt manufacturer's particular specifications, when provided.

3 Use flat washers of equal strength.

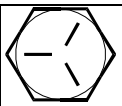
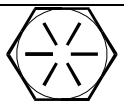
4 All torque measurements are given in foot-pounds.

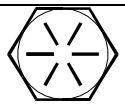
5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphite, collodial copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.

Thread Torque Chart (Metric)

FINE THREAD TORQUE CHART (METRIC)					
TIGHTENING TORQUE					
SIZE (DIA-TPI)	BOLT DIA. (INCHES)	 SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-24	0.3125	3	2	4	3
3/8-24	0.375	5	4	7	5
7/16-20	0.4375	8	6	11	8
1/2-20	0.5	12	9	17	12
9/16-18	0.5625	17	12	24	18
5/8-18	0.625	24	18	33	25
3/4-16	0.75	41	31	58	44
7/8-11	0.875	62	45	93	69
1-12	1	89	67	138	103
1 1/8-12	1.125	123	93	200	150
1 1/4-12	1.25	171	129	278	209
1 3/8-12	1.375	232	174	375	281
1 1/2-12	1.5	304	228	492	369

COARSE THREAD TORQUE CHART (METRIC)					
TIGHTENING TORQUE					
SIZE (DIA-TPI)	BOLT DIA (INCHES)	SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-18	0.3125	2	2	3	2
3/8-16	0.375	4	3	6	5
7/16-14	0.4375	7	5	10	7
1/2-13	0.5	10	8	15	11
9/16-12	0.5625	15	11	21	16
5/8-11	0.625	21	16	30	22
3/4-10	0.75	37	28	52	39
7/8-9	0.875	55	41	84	63
1-8	1	82	62	126	94
1 1/8-7	1.125	110	82	178	133
1 1/4-7	1.25	155	116	251	188
1 3/8-6	1.375	203	152	329	246
1 1/2-6	1.5	270	210	438	328

NOTES

1 Tightening torques provided are midrange.

2 Consult bolt manufacturer's particular specifications, when provided.

3 Use flat washers of equal strength.

4 All torque measurements are given in kilogram-meters.

5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphite, collodial copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.